Aberrant intestinal microbiota in individuals with prediabetes
Publication: Research - peer-review › Journal article – Annual report year: 2018

Fast and stable gratings inscription in POFs made of different materials with pulsed 248 nm KrF laser
Publication: Research - peer-review › Journal article – Annual report year: 2018

Activation energy of time-dependent martensite formation in steel
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Adaptive parametric model order reduction technique for optimization of vibro-acoustic models: Application to hearing aid design
Publication: Research - peer-review › Journal article – Annual report year: 2018

A homogenization method for ductile-brittle composite laminates at large deformations
Publication: Research - peer-review › Journal article – Annual report year: 2018

An experimental and numerical study of floating breakwaters
Publication: Research - peer-review › Journal article – Annual report year: 2018

A novel numerical framework for self-similarity in plasticity: Wedge indentation in single crystals
Publication: Research - peer-review › Journal article – Annual report year: 2018

A "poor man's approach" to topology optimization of cooling channels based on a Darcy flow model
Publication: Research - peer-review › Journal article – Annual report year: 2018

A Preliminary Study to Enhance the Tribological Performance of CoCrMo Alloy by Fibre Laser Remelting for Articular Joint Implant Applications
Chan, C-W., Smith, G. & Lee, S. 2018 In : Lubricants. 6, 1, 17 p., 24
Publication: Research - peer-review › Journal article – Annual report year: 2018

A regularization method for solving the Poisson equation for mixed unbounded-periodic domains
A systematic comparison of on-axis and off-axis transmission Kikuchi diffraction
Publication: Research - peer-review › Journal article – Annual report year: 2018

Austenite reversion in low-carbon martensitic stainless steels – a CALPHAD-assisted review
Niessen, F. 2018 In : Materials Science and Technology. 14 p.
Publication: Research - peer-review › Journal article – Annual report year: 2018

Characterization of pack cemented Ni2Al3 coating exposed to KCl(s) induced corrosion at 600 °C
Publication: Research - peer-review › Journal article – Annual report year: 2018

Component level study of an actively lubricated LEG Tilting Pad Bearing: Theory and experiment
Cerda Varela, A. J. & Santos, I. F. 2018 In : Tribology International. 120, p. 115-126
Publication: Research - peer-review › Journal article – Annual report year: 2018

Compressed collagen constructs with optimized mechanical properties and cell interactions for tissue engineering applications
Publication: Research - peer-review › Journal article – Annual report year: 2018

Controllable sliding bearings and controllable lubrication principles—an overview
Santos, I. F. 2018 In : Lubricants. 6, 1, 12 p.
Publication: Research - peer-review › Journal article – Annual report year: 2018

Damping analysis of cylindrical composite structures with enhanced viscoelastic properties
Publication: Research - peer-review › Journal article – Annual report year: 2018

Damping properties of non-conductive composite materials for applications in power transmission pylons
Publication: Research - peer-review › Journal article – Annual report year: 2018

Design and analysis of a waste gasification energy system with solid oxide fuel cells and absorption chillers
Publication: Research - peer-review › Journal article – Annual report year: 2018

Design for manufacturability of macro and micro products: a case study of heat exchanger design
Publication: Research - peer-review › Journal article – Annual report year: 2018

Design of passive coolers for light-emitting diode lamps using topology optimisation
Publication: Research - peer-review › Journal article – Annual report year: 2018

Determination of Viscosity Versus Pressure by Means of a Clearance Seal
Publication: Research - peer-review › Journal article – Annual report year: 2018
Development of Goss texture in Al-0.3%Cu annealed after heavy rolling
Publication: Research - peer-review › Journal article – Annual report year: 2018

Dynamic exergoeconomic analysis of a heat pump system used for ancillary services in an integrated energy system
Meessenburg, W., Ommen, T. & Elmegaard, B. 2018 In : Energy. 152, p. 154-165
Publication: Research - peer-review › Journal article – Annual report year: 2018

Ecodesign Implementation and LCA
Publication: Research - peer-review › Book chapter – Annual report year: 2018

Effect of microstructure on KCl corrosion attack of modified AISI 310 steel
Publication: Research - peer-review › Journal article – Annual report year: 2018

Effect of process parameters on flow length and flash formation in injection moulding of high aspect ratio polymeric micro features
Publication: Research - peer-review › Journal article – Annual report year: 2018

Effect of Properties and Turgor Pressure on the Indentation Response of Plant Cells
Tvergaard, V. & Needleman, A. 2018 In : Journal of Applied Mechanics. 85, 6, 8 p., 061007
Publication: Research - peer-review › Journal article – Annual report year: 2018

Effects of micro-injection moulding process parameters on accuracy and precision of thermoplastic elastomer micro rings
Baruffi, F., Calaon, M. & Tosello, G. 2018 In : Precision Engineering. 51, p. 353-361
Publication: Research - peer-review › Journal article – Annual report year: 2018

Energieffektivitet ved udnyttelse af overskudshvarme i industrien
Bühler, F., Elmegaard, B. & Holm, F. M. 2018 In : Plus Proces. 32, 1, p. 10-14
Publication: Communication › Journal article – Annual report year: 2018

Error sources
Publication: Research - peer-review › Book chapter – Annual report year: 2018
Estimation of hysteretic damping of structures by stochastic subspace identification
Bajric, A. & Høgsberg, J. B. 2018 In : Mechanical Systems and Signal Processing. 105, p. 36-50
Publication: Research - peer-review › Journal article – Annual report year: 2018

Evaluation of a Lagrangian Soot Tracking Method for the prediction of primary soot particle size under engine-like conditions
Cai Ong, J., Pang, K. M., Walther, J. H., Ho, J-H. & Kiat Ng, H. 2018 In : Journal of Aerosol Science. 70-95, p. 70-95
Publication: Research - peer-review › Journal article – Annual report year: 2018

Evaluation of damping estimates by automated Operational Modal Analysis for offshore wind turbine tower vibrations
Publication: Research - peer-review › Journal article – Annual report year: 2018

Experimental comparison of the nonlinear dynamic behavior of a rigid rotor interacting with two types of different radial backup bearings: Ball & pinned
Publication: Research - peer-review › Journal article – Annual report year: 2018

False-positive result when a diphenylcarbazide spot test is used on trivalent chromium-passivated zinc surfaces
Reveko, V., Lampert, F., Din, R. U., Thyssen, J. P. & Møller, P. 2018 In : Contact Dermatitis. 78, 5, p. 315-320
Publication: Research - peer-review › Journal article – Annual report year: 2018

Fracture Mechanics Analysis of Reinforced DCB Sandwich Debond Specimen Loaded by Moments
Publication: Research - peer-review › Journal article – Annual report year: 2018

Fracture mechanics approach to optimize inspection planning of offshore welds for wind turbines
Publication: Research › Ph.D. thesis – Annual report year: 2018

Frequency response as a surrogate eigenvalue problem in topology optimization
Publication: Research - peer-review › Journal article – Annual report year: 2018

Hardening and strengthening behavior in rate-independent strain gradient crystal plasticity
Publication: Research - peer-review › Journal article – Annual report year: 2018

High temperature solution-nitriding and low-temperature nitriding of AISI 316: Effect on pitting potential and crevice corrosion performance
Publication: Research - peer-review › Journal article – Annual report year: 2018

Homogenization-based topology optimization for high-resolution manufacturable micro-structures
Publication: Research - peer-review › Journal article – Annual report year: 2018

Impact damage reduction by structured surface geometry
Publication: Research - peer-review › Journal article – Annual report year: 2018
Infill Optimization for Additive Manufacturing - Approaching Bone-like Porous Structures
Publication: Research - peer-review › Journal article – Annual report year: 2017

Influence of Preoxidation on High-Temperature Corrosion of a FeCrAl Alloy Under Conditions Relevant to Biomass Firing
Publication: Research - peer-review › Journal article – Annual report year: 2018

Inline temperature compensation for dimensional metrology of polymer parts in a production environment based on 3D thermomechanical analysis
Publication: Research - peer-review › Journal article – Annual report year: 2018

In Innovation i Naturvidenskab - Et kompendium til gymnasieleærere om innovation som undervisningsmetode
Hansen, C. T. & Boelskifte, P. 2018 Fysikforlaget. 64 p.
Publication: Education › Compendium/lecture notes – Annual report year: 2018

In Situ Investigation of the Evolution of Lattice Strain and Stresses in Austenite and Martensite During Quenching and Tempering of Steel
Publication: Research - peer-review › Journal article – Annual report year: 2018

Interlaboratory Comparison of a physical and a virtual assembly measured by CT
Stolfi, A. & De Chiffre, L. 2018 In : Precision Engineering. 51, p. 263-270
Publication: Research - peer-review › Journal article – Annual report year: 2018

In Life Cycle Costing: An Introduction
Publication: Research - peer-review › Book chapter – Annual report year: 2018

In Local analytical sensitivity analysis for design of continua with optimized 3D buckling behavior
Pedersen, N. L. & Pedersen, P. 2018 In : Structural and Multidisciplinary Optimization. 57, 1, p. 293–304
Publication: Research - peer-review › Journal article – Annual report year: 2018

In Mathieu’s Equation and Its Generalizations: Overview of Stability Charts and their Features
Kovacic, I., Rand, R. H. & Sah, S. M. 2018 In : Applied Mechanics Reviews. 70, 2, 22 p., 020802
Publication: Research - peer-review › Journal article – Annual report year: 2018

In Microstructural investigations of Ni and Ni2Al3 coatings exposed in biomass power plants
Publication: Research - peer-review › Journal article – Annual report year: 2018

In Modeling and simulation in tribology across scales: An overview
Publication: Research - peer-review › Journal article – Annual report year: 2018

In Modeling the condensation of sulfuric acid and water on the cylinder liner of a large two-stroke marine diesel engine
Publication: Research - peer-review › Journal article – Annual report year: 2018
Near-wellbore modeling of a horizontal well with Computational Fluid Dynamics

Numerical modeling of the strand deposition flow in extrusion-based additive manufacturing

Numerical simulation of condensation of sulfuric acid and water in a large two-stroke marine diesel engine

Numerical simulation of the planar extrudate swell of pseudoplastic and viscoelastic fluids with the streamfunction and the VOF methods

On the non-optimality of tree structures for heat conduction

On the prediction of thermophysical properties of innovative fluids
Mondejar, M. E. & Haglind, F. 2018

Optimal design of robust piezoelectric microgrippers undergoing large displacements
Ruiz, D. & Sigmund, O. 2018 In : Structural and Multidisciplinary Optimization. 75, p. 71-82

Optimal design of robust piezoelectric unimorph microgrippers

Optimization of organic Rankine cycle power systems considering multistage axial turbine design

Probing the chemistry of adhesion between a 316L substrate and spin-on-glass coating

Properties and performance of spin-on-glass coatings for the corrosion protection of stainless steels in chloride media

Qualification and testing of CT systems
Quantification of local mobilities
Zhang, Y. B. 2018 In : Scripta Materialia. 146, p. 286-289
Publication: Research - peer-review › Journal article – Annual report year: 2018

Recent research trends in organic Rankine cycle technology: A bibliometric approach
Publication: Research - peer-review › Journal article – Annual report year: 2018

Response of oxide nanoparticles in an oxide dispersion strengthened steel to dynamic plastic deformation
Publication: Research - peer-review › Journal article – Annual report year: 2018

Response predictions using the observed autocorrelation function
Publication: Research - peer-review › Journal article – Annual report year: 2018

Review of experiments and calculation procedures for ship collision and grounding damage
Publication: Research - peer-review › Journal article – Annual report year: 2018

Review of friction modeling in metal forming processes
Publication: Research - peer-review › Journal article – Annual report year: 2018

Sea State Estimation Using Vessel Response in Dynamic Positioning
Publication: Research - peer-review › Journal article – Annual report year: 2018

Simulating the hydrodynamic response of a floater–net system in current and waves
Chen, H. & Christensen, E. D. 2018 In : Journal of Fluids and Structures. 79, p. 50-75
Publication: Research - peer-review › Journal article – Annual report year: 2018

Solution for the future smart energy system: A polygeneration plant based on reversible solid oxide cells and biomass gasification producing either electrofuel or power
Publication: Research - peer-review › Journal article – Annual report year: 2018

Spatiotemporal and economic analysis of industrial excess heat as a resource for district heating
Publication: Research - peer-review › Journal article – Annual report year: 2018

Statistical investigations into the erosion of material from the tool in micro-electrical discharge machining
Puthumana, G. 2018 In : i-Manager's Journal on Mechanical Engineering. 8, 1, p. 1-7
Publication: Research - peer-review › Journal article – Annual report year: 2018

Structural Stability and Vibration: An Integrated Introduction by Analytical and Numerical Methods
Publication: Education - peer-review › Book – Annual report year: 2018
Structure and strength of sub-100 nm lamellar structures in cold-drawn pearlitic steel wire
Publication: Research - peer-review › Journal article – Annual report year: 2018

Surface technology is essential for transition to a hydrogen-based energy system
Nielsen, L. P., Leisner, P. & Møller, P. 2018 In : Transactions of the Institute of Metal Finishing. 96, 1, p. 8-10
Publication: Research - peer-review › Journal article – Annual report year: 2018

Swim and fly: escape strategy in neustonic and planktonic copepods
Publication: Research - peer-review › Journal article – Annual report year: 2018

Systematic design of 3D auxetic lattice materials with programmable Poisson's ratio for finite strains
Publication: Research - peer-review › Journal article – Annual report year: 2018

System evaluation of offshore platforms with gas liquefaction processes
Publication: Research - peer-review › Journal article – Annual report year: 2018

Techno economic analysis of a wind-photovoltaic-biomass hybrid renewable energy system for rural electrification: A case study of Kallar Kahar
Publication: Research - peer-review › Journal article – Annual report year: 2018

The impact of applying product-modelling techniques in configurator projects
Publication: Research - peer-review › Journal article – Annual report year: 2018

The importance of robust design methodology
Eifler, T. & Howard, T. J. 2018 In : Research in Engineering Design. 29, 1, p. 39–53
Publication: Research - peer-review › Journal article – Annual report year: 2018

The influence of self-efficacy on entrepreneurial behavior among K-12 teachers
Amorim Neto, R. D. C., Rodrigues, V. P., Stewart, D., Xiao, A. & Snyder, J. 2018 In : Teaching and Teacher Education. 72, p. 44-53
Publication: Research - peer-review › Journal article – Annual report year: 2018

Thermal behaviour of additively manufactured injection moulding inserts
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2018

The UV filtering potential of drop-casted layers of frustules of three diatom species
Su, Y., Lenau, T. A., Gundersen, E., Kirkensgaard, J. J. K., Maibohm, C., Pinti, J. P. A. & Ellegaard, M. 2018 In : Scientific Reports. 8, 10 p., 959
Publication: Research - peer-review › Journal article – Annual report year: 2018

Tool design and materials for electro sinter forging (ESF)
Cannella, E. & Nielsen, C. V. 2018
Publication: Research - peer-review › Paper – Annual report year: 2018
Too much food may cause reduced growth of blue mussels (Mytilus edulis) – Test of hypothesis and new ‘high Chl a BEG-model’
Publication: Research - peer-review › Journal article – Annual report year: 2018

Topology optimization of a pseudo 3D thermo-fluid heat sink model
Publication: Research - peer-review › Journal article – Annual report year: 2018

Topology optimization of turbulent flows
Publication: Research - peer-review › Journal article – Annual report year: 2018

Transformation of iron containing constituent intermetallic particles during hydrothermal treatment
Publication: Research - peer-review › Journal article – Annual report year: 2018

Uncovering the local inelastic interactions during manufacture of ductile cast iron: How the substructure of the graphite particles can induce residual stress concentrations in the matrix
Publication: Research - peer-review › Journal article – Annual report year: 2018

Water thermophoresis in carbon nanotubes: the interplay between thermophoretic and friction forces
Publication: Research - peer-review › Journal article – Annual report year: 2018

GEOMETRICAL CALIBRATION OF X-RAY CT SCANNERS
Stolfi, A. & De Chiffre, L. 26 Jul 2017
Publication: Research › Patent – Annual report year: 2017

A case hardened component of titanium
Christiansen, T. L., Jellesen, M. S., Somers, M. A. J. & Gammeltoft-Hansen, N. B. 2 Jun 2017
Publication: Research › Patent – Annual report year: 2017

Self-closing sheet for encapsulating and dumping a bulk of material
Jensen, J. H. 16 Feb 2017
Publication: Research › Patent – Annual report year: 2017

2D Numerical Modelling of the Resin Injection Pultrusion Process Including Experimental Resin Kinetics and Temperature Validation
Publication: Research - peer-review › Paper – Annual report year: 2017

3D Finite Element Modelling of Drilling Process of Al2024-T3 Alloy with solid tooling and Experimental Validation
Davoudinejad, A. & Tosello, G. 2017 Proceedings of the 17th International Conference of the European Society for Precision Engineering and Nanotechnology. The European Society for Precision Engineering and Nanotechnology, 3 p.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017
3D Finite Element Simulation of Micro End-Milling by Considering the Effect of Tool Run-Out
Davoudinejad, A., Tosello, G., Parenti, P. & Annoni, M. 2017 In : Micromachines. 8, 6, 20 p., 187
Publication: Research - peer-review › Journal article – Annual report year: 2017

3D Printing of Bio-inspired surfaces
Méndez Ribó, M. & Islam, A. 2017
Publication: Research - peer-review › Poster – Annual report year: 2017

Abaqus2Matlab: A suitable tool for finite element post-processing
Publication: Research - peer-review › Journal article – Annual report year: 2017

A brute-force spectral approach for wave estimation using measured vessel responses
Publication: Research - peer-review › Journal article – Annual report year: 2017

Accurate dimensional measurements in production environment using Dynamic Length Metrology
Publication: Research › Ph.D. thesis – Annual report year: 2017

A CFD Investigation on the Effect of the Air Entrainment in Breaking Wave Impacts on a Mono-Pile
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

A cohesive zone framework for environmentally assisted fatigue
Publication: Research - peer-review › Journal article – Annual report year: 2017

A compact cyclic plasticity model with parameter evolution
Krenk, S. & Tidemann, L. 2017 In : Mechanics of Materials. 113, p. 57-68
Publication: Research - peer-review › Journal article – Annual report year: 2017

A Comparison of Organic and Steam Rankine Cycle Power Systems for Waste Heat Recovery on Large Ships
Publication: Research - peer-review › Journal article – Annual report year: 2017

A comparison of reflectance properties on polymer micro-structured functional surface
Publication: Research - peer-review › Poster – Annual report year: 2017

A concise account of techniques available for shipboard sea state estimation
Publication: Research - peer-review › Journal article – Annual report year: 2017

A Contribution to the Understanding of the Combined Effect of Nitrogen and Boron in Grey Cast Iron
Publication: Research - peer-review › Journal article – Annual report year: 2017

Acoustic emission monitoring of the bending under tension test
Publication: Research - peer-review › Conference article – Annual report year: 2017
Active tilting-pad journal bearings supporting flexible rotors: Part II–The model-based feedback-controlled lubrication
Salazar, J. A. G. & Santos, I. 2017 In : Tribology International. 107, p. 106-115
Publication: Research - peer-review › Journal article – Annual report year: 2016

Active tilting-pad journal bearings supporting flexible rotors: Part I – The hybrid lubrication
Salazar, J. A. G. & Santos, I. 2017 In : Tribology International. 107, p. 94-105
Publication: Research - peer-review › Journal article – Annual report year: 2016

Active tuned mass damper for damping of offshore wind turbine vibrations
Publication: Research - peer-review › Journal article – Annual report year: 2016

Additive manufacturing: state-of-the-art and application framework
Publication: Research - peer-review › Journal article – Annual report year: 2017

Addressing fuel recycling in solid oxide fuel cell systems fed by alternative fuels
Rokni, M. 2017 In : Energy. 137, p. 1013-1025
Publication: Research - peer-review › Journal article – Annual report year: 2017

Adjoint Optimisation of the Turbulent Flow in an Annular Diffuser
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

A DSM-based framework for integrated function modelling: concept, application and evaluation
Publication: Research - peer-review › Journal article – Annual report year: 2016

A Durability Study of High-temperature PEMFC. Effects of Operating Parameters and Thermal Curing
Publication: Research › Conference abstract for conference – Annual report year: 2017

A Failure Locus for Hydrogen Assisted Failure
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

A FEM based methodology to simulate multiple crack propagation in friction stir welds
Publication: Research - peer-review › Journal article – Annual report year: 2017

A Framework for Determining Product Modularity Levels
Publication: Research - peer-review › Journal article – Annual report year: 2017

A fully coupled air foil bearing model considering friction – Theory & experiment
Publication: Research - peer-review › Journal article – Annual report year: 2017
A guide for evaluating the environmental performance of Product/Service-Systems
Publication: Communication › Report – Annual report year: 2017

A Guide for Evaluating the Environmental Performance of Product/Service-Systems
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

A layered shell containing patches of piezoelectric fibers and interdigitated electrodes: Finite element modeling and experimental validation
Nielsen, B. B., Nielsen, M. S. & Santos, I. 2017 In : Journal of Intelligent Material Systems and Structures. 28, 1, p. 78-96
Publication: Research - peer-review › Journal article – Annual report year: 2017

Allergic contact dermatitis caused by cobalt in leather – clinical cases
Bregnbak, D., Opstrup, M. S., Jellesen, M. S., Johansen, J. D. & Thyssen, J. P. 2017 In : Contact Dermatitis. 76, 6, p. 366-368
Publication: Research - peer-review › Journal article – Annual report year: 2017

A Method for Ship Collision Damage and Energy Absorption Analysis and its Validation
Publication: Research - peer-review › Journal article – Annual report year: 2016

A methodology for online visualization of the energy flow in a machine tool
Publication: Research - peer-review › Journal article – Annual report year: 2017

A model-based approach to associate complexity and robustness in engineering systems
Publication: Research - peer-review › Journal article – Annual report year: 2016

A multi-objective energy planning including system exergy scienity and socio-economic costs
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

An Acoustic Hypersingular Boundary Element Formulation Including Viscous and Thermal Losses
Andersen, P. R., Cutanda Henriquez, V., Aage, N. & Marburg, S. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Analysis of a solid desiccant cooling system with indirect evaporative cooling
Publication: Research › Ph.D. thesis – Annual report year: 2018

Analysis of bearing steel exposed to rolling contact fatigue
Publication: Research - peer-review › Journal article – Annual report year: 2017

Analysis of surface insulation resistance related failures in electronics by circuit simulation
Publication: Research - peer-review › Journal article – Annual report year: 2017
Analysis of the equivalent indenter concept used to extract Young's modulus from a nano-indentation test: some new insights into the Oliver–Pharr method
Andriollo, T., Thorborg, J. & Hattel, J. H. 2017 In : Modelling and Simulation in Materials Science and Engineering. 25, 4, 22 p., 045004
Publication: Research - peer-review › Journal article – Annual report year: 2017

Analytic approximations for the elastic moduli of two-phase materials
Publication: Research - peer-review › Journal article – Annual report year: 2017

An approach to the modeling study and analysis of tool electrode wear mechanisms in micro electrical discharge milling
Publication: Research - peer-review › Journal article – Annual report year: 2017

A New Volume-Of-Fluid Method in Openfoam
Publication: Research - peer-review › Paper – Annual report year: 2017

An experimental analysis of flow boiling and pressure drop in a brazed plate heat exchanger for organic Rankine cycle power systems
Publication: Research - peer-review › Journal article – Annual report year: 2017

An experimental investigation of heat transfer enhancement in minichannel: Combination of nanofluid and micro fin structure techniques
Zhang, J., Diao, Y., Zhao, Y. & Zhang, Y. 2017 In : Experimental Thermal and Fluid Science. 81, p. 21-32
Publication: Research - peer-review › Journal article – Annual report year: 2016

An exploration of the potential for re-distributed manufacturing to contribute to a sustainable, resilient city
Publication: Research - peer-review › Journal article – Annual report year: 2017

An incremental flow theory for crystal plasticity incorporating strain gradient effects
Publication: Research - peer-review › Journal article – Annual report year: 2017

An Influence of Parameters of Micro-Electrical Discharge Machining On Wear of Tool Electrode
Puthumana, G. 2017 In : Archive of Mechanical Engineering. LXIV, 2, p. 149-164
Publication: Research - peer-review › Journal article – Annual report year: 2017

An interaction of impacting droplets with superhydrophobic coatings
Okulova, N., Okulov, V. & Taboryski, R. J. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

A Novel Integrated Approach for Analysis and Evaluation of Control Factor Effects on Volumetric Tool Wear Rate (Vtwr) in Micro-EDM
Publication: Research - peer-review › Journal article – Annual report year: 2017

A Numerical Framework for Self-Similar Problems in Plasticity: Indentation in Single Crystals
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017
A numerical investigation of the effect of ambient conditions on natural convection cooling of electronics
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

A performance assessment of a 2 axis scanning mirror galvanometer for powder bed fusion
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Application of aluminum diffusion coatings to mitigate the KCl-induced high-temperature corrosion
Publication: Research - peer-review › Journal article – Annual report year: 2016

Application of silicone based elastomers for manufacturing of Green Fiber Bottle
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Applications of automatic differentiation in topology optimization
Publication: Research - peer-review › Journal article – Annual report year: 2017

Applications of Fiber-Reinforced Polymers in Additive Manufacturing
Publication: Research - peer-review › Journal article – Annual report year: 2017

Applying Multi-Class Support Vector Machines for performance assessment of shipping operations: The case of tanker vessels
Publication: Research - peer-review › Journal article – Annual report year: 2017

A preliminary study on replication and quality correlation of on-part and on-runner polymer injection moulded micro features
Giannekas, N., Tosello, G. & Zhang, Y. 2017
Publication: Research - peer-review › Poster – Annual report year: 2017

Aqueous Lubrication with Polyelectrolytes: Toward Engineering Applications
Publication: Research - peer-review › Book chapter – Annual report year: 2017

A regularized vortex-particle mesh method for large eddy simulation
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

A review of recent research on the use of zeotropic mixtures in power generation systems
Publication: Research - peer-review › Review – Annual report year: 2017
A review of solar energy based heat and power generation systems
Publication: Research - peer-review › Review – Annual report year: 2016

A sheet metal necking formability diagram for nonlinear strain paths
Publication: Research - peer-review › Journal article – Annual report year: 2017

A short numerical study on the optimization methods influence on topology optimization
Rojas Labanda, S., Sigmund, O. & Stolpe, M. 2017 In : Structural and Multidisciplinary Optimization. 56, 6, p. 1603-1612
Publication: Research - peer-review › Journal article – Annual report year: 2017

A Soft Tooling process chain employing Additive Manufacturing for injection molding of a 3D component with micro pillars
Publication: Research - peer-review › Journal article – Annual report year: 2017

Assessing the financial potential for modularization: A case study in a global OEM
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Assessing transformational change from institutionalising digital capabilities on implementation and development of Product-Service Systems: Learnings from the maritime industry
Pagoropoulos, A., Maier, A. & McAloone, T. C. 2017 In : Journal of Cleaner Production. 166, p. 369-380
Publication: Research - peer-review › Journal article – Annual report year: 2017

Assessment of the Contour Method for 2-D Cross Sectional Residual Stress Measurements of Friction Stir Welded Parts of AA2024-T3—Numerical and Experimental Comparison
Publication: Research - peer-review › Journal article – Annual report year: 2017

Assisted crack tip flipping under Mode I thin sheet tearing
Publication: Research - peer-review › Journal article – Annual report year: 2017

A study of DLC coatings for ironing of stainless steel
Publication: Research - peer-review › Conference article – Annual report year: 2017

A study on replication and quality correlation of on-part and on-runner polymer injection molded micro features
Giannekas, N., Tosello, G. & Zhang, Y. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Assymptotically Matched Layer (AML) for transient wave propagation in a moving frame of reference
Madsen, S. S. & Krenk, S. 2017 In : Computers and Geotechnics. 82, p. 124-133
Publication: Research - peer-review › Journal article – Annual report year: 2016

A theoretical–experimental study of backup bearings: The pinned vs ball bearing
A third order accurate Lagrangian finite element scheme for the computation of generalized molecular stress function fluids
Publication: Research - peer-review › Journal article – Annual report year: 2017

Augmented Reality Interfaces for Additive Manufacturing
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Bayesian estimation of $P(X > x)$ from a small sample of Gaussian data
Publication: Research - peer-review › Journal article – Annual report year: 2017

Benchmarking five computational methods for analyzing large photonic crystal membrane cavities
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Biological features produced by additive manufacturing processes using vat photopolymerization method
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Book of presentations of the International Workshop on High Temperature Heat Pumps
Publication: Communication › Report – Annual report year: 2017

Building a Business Case for Eco-design Implementation: A System Dynamics Approach
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Calibration of piezoelectric RL shunts with explicit residual mode correction
Høgsberg, J. B. & Krenk, S. 2017 In : Journal of Sound and Vibration. 386, p. 65-81
Publication: Research - peer-review › Journal article – Annual report year: 2016

Carbon Nanotubes as Thermally Induced Water Pumps
Publication: Research - peer-review › Journal article – Annual report year: 2017

Cavity prediction in sand mould production applying the DISAMATIC process
Publication: Research - peer-review › Journal article – Annual report year: 2017
Collective design in 3D printing: A large scale empirical study of designs, designers and evolution
Özkil, A. G. 2017 In : Design Studies. 51, p. 66-69
Publication: Research - peer-review › Journal article – Annual report year: 2017

Colorimetric visualization of tin corrosion: A method for early stage corrosion detection on printed circuit boards
Verdingovas, V., Jellesen, M. S. & Ambat, R. 2017 In : Microelectronics Reliability. 73, p. 158-166
Publication: Research - peer-review › Journal article – Annual report year: 2017

Combined micro-cogeneration and electric vehicle system for household application: An energy and economic analysis in a Northern European climate
Publication: Research - peer-review › Journal article – Annual report year: 2017

Combined shape and topology optimization for minimization of maximal von Mises stress
Publication: Research - peer-review › Journal article – Annual report year: 2017

Combining Gas Bearing and Smart Material Technologies for Improved Machine Performance Theory and Experiment
Publication: Research › Ph.D. thesis – Annual report year: 2017

Comparing novelty of designs from biological-inspiration with those from brainstorming
Publication: Research - peer-review › Journal article – Annual report year: 2017

Comparison of Five Computational Methods for Computing Q Factors in Photonic Crystal Membrane Cavities
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Comparison of Five Numerical Methods for Computing Quality Factors and Resonance Wavelengths in Photonic Crystal Membrane Cavities
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Comparison of measured lattice rotations of individual grains with crystal plasticity simulations
Juul, N. Y., Oddershede, J. & Winther, G. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Complementary Methods for the Characterization of Corrosion Products on a Plant-Exposed Superheater Tube
Publication: Research - peer-review › Journal article – Annual report year: 2016

Complexation and synergistic boundary lubrication of porcine gastric mucin and branched poly(ethyleneimine) in neutral aqueous solution
Publication: Research - peer-review › Journal article – Annual report year: 2016
Complexity of Configurators Relative to Integrations and Field of Application
Kristjansdottir, K., Shafiee, S., Battistello, L., Hvam, L. & Forza, C. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Composite Coiled Tubing for Extended Reach in Horizontal Oil Wells
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Computational Fluid Dynamics of Choanoflagellate Filter-Feeding
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Computer Vision for Additive Manufacturing.
Publication: Research › Ph.D. thesis – Annual report year: 2017

Computational Modelling for Product Configuration Systems
Publication: Research › Ph.D. thesis – Annual report year: 2017

Considerations on the Construction of a Powder Bed Fusion Platform for Additive Manufacturing
Andersen, S. A., Nielsen, K-E., Pedersen, D. B. & Nielsen, J. S. 2017 In : Physics Procedia. 89, p. 3-10
Publication: Research - peer-review › Conference article – Annual report year: 2017

Continuous Strip Reduction Test Simulating Tribological Conditions in Ironing
Publication: Research - peer-review › Conference article – Annual report year: 2017

Continuous versus pulsating flow boiling. Experimental comparison, visualization, and statistical analysis
Publication: Research - peer-review › Journal article – Annual report year: 2017

Control Design of Active Magnetic Bearings for Rotors Subjected to Destabilising Seal Forces - Theory & Experiment
Publication: Research › Ph.D. thesis – Annual report year: 2017

Conversion of Measured Turbulence Spectra from Temporal to Spatial Domain
Publication: Research - peer-review › Book chapter – Annual report year: 2016
Corrigendum to "Flow boiling heat transfer and pressure drop characteristics of R134a, R1234yf and R1234ze in a plate heat exchanger for organic Rankine cycle units". [Int. J. Heat Mass Transfer 108 (2017) 1787–1801]
Publication: Research - peer-review › Comment/debate – Annual report year: 2017

Corrosion failure analysis of hearing aid battery-spring contacts
Publication: Research - peer-review › Journal article – Annual report year: 2017

Corrosion in Electronics
Publication: Research - peer-review › Encyclopedia chapter – Annual report year: 2017

Corrosion in the Flue Gas Cleaning System of a Biomass-Fired Power Plant
Publication: Research - peer-review › Journal article – Annual report year: 2017

Corrosion reliability of lead-free solder systems used in electronics
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Corrosion Reliability of Lead-free Solder Systems Used in Electronics
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Corrosion Resistance of AISI 316L Coated with an Air-Cured Hydrogen Silsesquioxane Based Spin-On-Glass Enamel in Chioride Environment
Lampert, F., Bruun Christiansen, A., Din, R. U., Gonzalez-Garcia, Y. & Møller, P. 2017 In : Corrosion Science. 127, p. 110-119
Publication: Research - peer-review › Journal article – Annual report year: 2017

Cost estimation of a specifically designed direct light processing (DLP) additive manufacturing machine for precision printing
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Crack Tip Flipping: A New Phenomenon yet to be Resolved in Ductile Plate Tearing
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Crack Tip Flipping under Mode I Tearing: Investigated by X-Ray Tomography
Publication: Research - peer-review › Journal article – Annual report year: 2017

Creating a Multi-material Probing Error Test for the Acceptance Testing of Dimensional Computed Tomography Systems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017
Cross-flow heat exchanger design using thermofluid topology optimization
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Cryogenic treatment of steel: from concept to metallurgical understanding
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Current trends in micro electrical discharge machining (µEDM) for practical applications
Publication: Research - peer-review › Journal article – Annual report year: 2017

Cyclic plastic hinges with degradation effects for frame structures
Publication: Research - peer-review › Journal article – Annual report year: 2017

Deformation Induced Martensitic Transformation and Its Initial Microstructure Dependence in a High Alloved Duplex Stainless Steel
Publication: Research - peer-review › Journal article – Annual report year: 2017

Department of Mechanical Engineering - Annual Report 2016
Publication: Communication › Report – Annual report year: 2017

Derivation of guidelines for the design of plate evaporators in heat pumps using zeotropic mixtures
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Design and Calibration of a Full-Scale Active Magnetic Bearing-Based Test Facility for Investigating Rotordynamic Properties of Turbomachinery Seals in Multiphase Flow
Voigt, A. J., Mandrup-Poulsen, C., Nielsen, K. & Santos, I. 2017 In : Journal of Engineering for Gas Turbines and Power. 139, 5, 10 p., 052505
Publication: Research - peer-review › Journal article – Annual report year: 2017

Design and prototyping of an ionic liquid piston compressor as a new generation of compressors for hydrogen refueling stations
Publication: Research › Ph.D. thesis – Annual report year: 2017

Designing a Tool System for Lowering Friction during the Ejection of In-Die Sintered Micro Gears
Cannella, E., Nielsen, E. K. & Stolfi, A. 2017 In : Micromachines. 8, 7, 15 p., 214
Publication: Research - peer-review › Journal article – Annual report year: 2017

Design of Passive Acoustic Wave Shaping Devices and Their Experimental Validation
Christiansen, R. E., Sigmund, O. & Fernandez Grande, E. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Design of Robust AMB Controllers for Rotors Subjected to Varying and Uncertain Seal Forces
Lauridsen, J. S. & Santos, I. 2017 In : Mechanical Engineering Journal. 4, 5, 11 p., 00618
Publication: Research - peer-review › Journal article – Annual report year: 2017
Design of serially connected district heating heat pumps utilising a geothermal heat source
Publication: Research - peer-review › Journal article – Annual report year: 2017

Design of Waste Gasification Energy Systems with Solid Oxide Fuel Cells
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Detection of the onset of galling in strip reduction testing using acoustic emission
Moghadam, M., Christiansen, P. & Bay, N. O. 2017 In : Procedia Engineering. 183, p. 59–64
Publication: Research - peer-review › Conference article – Annual report year: 2017

Determination of the activation energy of Martensite formation in steel during heating from 77 K
Villa, M., Hansen, M. F. & Somers, M. A. J. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Deterministic Predictions of Vessel Responses Based on Past Measurements
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Development and Testing of Tailored Tool Surfaces for Sheet Metal Forming
Publication: Research › Ph.D. thesis – Annual report year: 2017

Development, modelling and evaluation of a small-scale gas liquefaction plant
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Development of a numerical model for fluid-structure interaction analysis of flow through and around an aquaculture net cage
Chen, H. & Christensen, E. D. 2017 In : Ocean Engineering. 142, p. 597-615
Publication: Research - peer-review › Journal article – Annual report year: 2017

Development of Large Scale Bed Forms in the Sea –2DH Numerical Modeling
Margalit, J. & Fuhrman, D. R. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Diffuse back-illumination setup for high temporally resolved extinction imaging
Publication: Research - peer-review › Journal article – Annual report year: 2017

Dimensional accuracy of Acrylonitrile Butadiene Styrene injection molded parts produced in a pilot produ
Publication: Research - peer-review › Paper – Annual report year: 2017

Direct electroplating of plastic for advanced electrical applications
Publication: Research - peer-review › Journal article – Annual report year: 2017
Editorial
Publication: Research › Editorial – Annual report year: 2017

Effect of carbon on interstitial ordering and magnetic properties of ε-Fe2(N,C)1-x
Publication: Research - peer-review › Journal article – Annual report year: 2017

Effect of Chemical Environment and pH on AC Corrosion of Cathodically Protected Structures
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Effect of flue gas composition on deposit induced high temperature corrosion under laboratory conditions mimicking biomass firing. Part I: Exposures in oxidizing and chlorinating atmospheres
Publication: Research - peer-review › Journal article – Annual report year: 2016

Effect of flue gas composition on deposit induced high temperature corrosion under laboratory conditions mimicking biomass firing. Part II: Exposures in SO2 containing atmospheres
Publication: Research - peer-review › Journal article – Annual report year: 2016

Effect of interior geometry on local climate inside an electronic device enclosure
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Effect of shot peening on the residual stress and mechanical behaviour of low-temperature and high-temperature annealed martensitic gear steel 18CrNiMo7-6
Publication: Research - peer-review › Journal article – Annual report year: 2017

Effect of thermal cycling on martensitic transformation and mechanical strengthening of stainless steels – A phase-field study
Publication: Research - peer-review › Journal article – Annual report year: 2017

Effect of TWD estimation error on the depth of machined cavities in micro-EDM milling
Puthumana, G., Bissacco, G. & Hansen, H. N. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Effects of carbon fibres on the life cycle assessment of additively manufactured injection moulding inserts for rapid prototyping
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Effects of fast mold temperature evolution on micro features replication quality during Injection molding
Enhancing damping of gas bearings using linear parameter-varying control
Theisen, L. R. S., Niemann, H. H., Galeazzi, R. & Santos, I. 2017 In : Journal of Sound and Vibration. 365, p. 48–64
Publication: Research - peer-review › Journal article – Annual report year: 2017

Enhancing the antibacterial performance of orthopaedic implant materials by fibre laser surface engineering
Publication: Research - peer-review › Journal article – Annual report year: 2017

Equilibrium-Based Nonhomogeneous Anisotropic Beam Element
Publication: Research - peer-review › Journal article – Annual report year: 2017

Evaluation of optical functional surfaces on the injection moulding insert by micro milling process
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Evaluation of polymer micro parts produced by additive manufacturing processes using vat photopolymerization method
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Evaluation of surface roughness and geometrical characteristic of additive manufacturing inserts for precision injection moulding
Davoudinejad, A., Charalambis, A., Pedersen, D. B. & Tosello, G. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Exact Constraint Design and its potential for Robust Embodiment
Eifler, T. & Howard, T. J. 2017 In : Procedia C I R P. 60, p. 302–307
Publication: Research - peer-review › Journal article – Annual report year: 2017

Exercise in Configurable Products using Creo parametric
Christensen, G. K. 2017 9 p.
Publication: Education › Compendium/lecture notes – Annual report year: 2017

Exergy and economic analysis of organic rankine cycle hybrid system utilizing biogas and solar energy in rural area of China
Publication: Research - peer-review › Journal article – Annual report year: 2017

Expansion of organic Rankine cycle working fluid in a cylinder of a low-speed two-stroke ship engine
Publication: Research - peer-review › Journal article – Annual report year: 2017

Experimental analysis of solar thermal integrated MD system for cogeneration of drinking water and hot water for single family villa in dubai using flat plate and evacuated tube solar collectors
Publication: Research - peer-review › Journal article – Annual report year: 2017

Experimental approach for the uncertainty assessment of 3D complex geometry dimensional measurements using computed tomography at the mm and sub-mm scales
Publication: Research - peer-review › Journal article – Annual report year: 2017
Experimental characterization of the Green's function in a room using sparse reconstruction principles  
Publication: Research - peer-review › Journal article – Annual report year: 2017

Experimental investigation of interfacial crack arrest in sandwich beams subjected to fatigue loading using a novel crack arresting device  
Publication: Research - peer-review › Journal article – Annual report year: 2017

Experimental Investigation of Sulfuric Acid Condensation and Corrosion Rate in Motored Bukh DV24 Diesel Engine  
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Experimental Investigation of the Performance of Tilt Current Meters in Wave-Dominated Flows  
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Experimental patch testing with chromium-coated materials  
Publication: Research - peer-review › Journal article – Annual report year: 2017

Experimental validation of vibro-impact force models using numeric simulation and perturbation methods  
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Exploring Teachers' Thinking about Teaching and Learning  
Jensen, L. B., Christiansen, B. L. & Hansen, C. T. 2017  
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Exploring the relationship between entrepreneurial behavior and teachers' job satisfaction  
do Carmo Amorim Neto, R., Rodrigues, V. P. & Panzer, S. 2017 In : Teaching and Teacher Education. 63, p. 254–262  
Publication: Research - peer-review › Journal article – Annual report year: 2017

Fabrication of Large Area Broadband and Omnidirectional Antireflective Transparent Foils by Roll-to-Roll Extrusion Coating  
Publication: Research - peer-review › Journal article – Annual report year: 2017

Factors affecting the thermophysical properties of nanofluids  
Montagud, M. E. M. & Haglind, F. 2017  
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Fe-Modeling Of Starved Hydrodynamic Lubrication With Free Surface Effects  
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017
Fibre laser nitriding of titanium and its alloy in open atmosphere for orthopaedic implant applications: Investigations on surface quality, microstructure and tribological properties
Publication: Research - peer-review › Journal article – Annual report year: 2016

Filter-Feeding Zoobenthos and Hydrodynamics
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Flow boiling heat transfer and pressure drop characteristics of R134a, R1234yf and R1234ze in a plate heat exchanger for organic Rankine cycle units
Publication: Research - peer-review › Journal article – Annual report year: 2017

FlowCyl: one-parameter characterisation of matrix rheology
Publication: Research - peer-review › Paper – Annual report year: 2017

Flow in axisymmetric expansion in a catalytic converter
Gotfredsen, E. & Meyer, K. E. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Flow visualization and simulation of the filling process during injection molding
Publication: Research - peer-review › Journal article – Annual report year: 2016

Formation and stabilization of reversed austenite in supermartensitic stainless steel
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Fracture Characterization of PVC Foam Core Sandwich Specimen Using the DCB-UBM Test Method
Publication: Research - peer-review › Paper – Annual report year: 2017

Fracture Surface Morphology Under Ductile Tearing of Metal Plates
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Gaming with Teaching Philosophies
Jensen, L. B., Christiansen, B. L. & Hansen, C. T. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Gas-liquid two-phase flows in double inlet cyclones for natural gas separation
Yang, Y., Wang, S. & Wen, C. 2017 In : Cogent Engineering. 4, 1, 10 p., 1373421
Publication: Research - peer-review › Journal article – Annual report year: 2017
Gastric mucus and mucuslike hydrogels: Thin film lubricating properties at soft interfaces
Publication: Research - peer-review › Journal article – Annual report year: 2017

Geometrically Optimized 3D Printed Mini-Devices for Oral Drug Delivery
Publication: Research - peer-review › Poster – Annual report year: 2017

Geometrically Optimized 3D Printed Mini-Devices for Oral Drug Delivery
Vaut, L., Jensen, K. E., Andersen, A. J., Tosello, G. & Boisen, A. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Geothermal Power Technologies
Publication: Research - peer-review › Book chapter – Annual report year: 2016

Giga-voxel computational morphogenesis for structural design
Aage, N., Andreassen, E., Lazarov, B. S. & Sigmund, O. 2017 In : Nature. 550, 7674, p. 84-86
Publication: Research - peer-review › Letter – Annual report year: 2017

Giga-Voxel Structural Optimization
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Gradient plasticity crack tip characterization by means of the extended finite element method
Publication: Research - peer-review › Journal article – Annual report year: 2017

Grain interaction mechanisms leading to intragranular orientation spread in tensile deformed bulk grains of interstitial-free steel
Publication: Research - peer-review › Journal article – Annual report year: 2016

Graphite nodules and local residual stresses in ductile iron: Thermo-mechanical modeling and experimental validation
Publication: Research › Ph.D. thesis – Annual report year: 2017

Green fiber bottle: Towards a sustainable package
Didone, M., Tosello, G. & Howard, T. J. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Green Fiber Bottle: Towards a Sustainable Package and a Manufacturing Process
Didone, M., Tosello, G., Kirilov, K., Bardenstein, A. & Østergaard, S. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Hardness loss and microstructure evolution of 90% hot-rolled pure tungsten at 1200-1350°C
Publication: Research - peer-review › Journal article – Annual report year: 2017
Hard Surface Layers by Pack Boriding and Gaseous Thermo-Reactive Deposition and Diffusion Treatments
Publication: Research - peer-review › Journal article – Annual report year: 2017

Heat Pumps for Efficient and Flexible Heat Supply in Copenhagen
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Hierarchical Structure and Strengthening Mechanisms in Pearlitic Steel Wire
Zhang, X., Hansen, N., Huang, X. & Godfrey, A. W. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Higher-order multi-resolution topology optimization using the finite cell method
Publication: Research - peer-review › Journal article – Annual report year: 2016

High-Resolution Single-Grain Diffraction of Polycrystalline Materials
Publication: Research - peer-review › Journal article – Annual report year: 2017

High Temperature Heat Pump Integration using Zeotropic Working Fluids for Spray Drying Facilities
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Hot-blade cutting of EPS foam for double-curved surfaces—numerical simulation and experiments
Publication: Research - peer-review › Journal article – Annual report year: 2017

How can design science contribute to a circular economy?
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

How to Identify Possible Applications of Product Configuration Systems in Engineer-to-Order Companies
Publication: Research - peer-review › Journal article – Annual report year: 2017

Humidity Buildup in Electronic Enclosures Exposed to Constant Conditions
Publication: Research - peer-review › Journal article – Annual report year: 2017

Hybrid Simulation of Composite Structures
Publication: Research › Ph.D. thesis – Annual report year: 2017
Hybrid vortex simulations of wind turbines using a three-dimensional viscous-inviscid panel method
Publication: Research - peer-review › Journal article – Annual report year: 2017

Hydraulic pitch control system for wind turbines: Advanced modeling and verification of an hydraulic accumulator
Publication: Research - peer-review › Journal article – Annual report year: 2017

Hydrodynamics of microbial filter feeding
Publication: Research - peer-review › Journal article – Annual report year: 2017

Identification of critical technology building blocks
Publication: Research - peer-review › Journal article – Annual report year: 2017

Identification of Hydrodynamics of microbial filter feeding
Publication: Research - peer-review › Journal article – Annual report year: 2017

Implementation of Generalized Modes in a 3D Finite Difference Based Seakeeping Model
Andersen, M. H., Amini Afshar, M. & Bingham, H. B. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Implementation of the far-field method for calculation of added resistance using a high order finite-difference approximation on overlapping grids
Amini Afshar, M. & Bingham, H. B. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Implementing optical fibres for the structural health monitoring of composite patch repaired structures
Publication: Research - peer-review › Journal article – Annual report year: 2017

Improved HPC method for nonlinear wave tank
Zhu, W., Greco, M. & Shao, Y. 2017 In : International Journal of Naval Architecture and Ocean Engineering. 9, 6, p. 598-612
Publication: Research - peer-review › Journal article – Annual report year: 2017

Improving efficiency of heat pumps by use of zeotropic mixtures for different temperature glides
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017
Including product features in process redesign
Publication: Research - peer-review › Journal article – Annual report year: 2017

Increased accuracy of cost-estimation using product configuration systems
Rasmussen, J. B., Hvam, L. & Mortensen, N. H. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Industrial excess heat for district heating in Denmark
Publication: Research - peer-review › Journal article – Annual report year: 2017

Influence of de-icing salt chemistry on the corrosion behavior of AA6016
Publication: Research - peer-review › Journal article – Annual report year: 2017

Publication: Research - peer-review › Paper – Annual report year: 2017

Influence of preoxidation on high temperature corrosion of a Ni-based alloy under conditions relevant to biomass firing
Publication: Research - peer-review › Journal article – Annual report year: 2017

Influence of Processing Conditions on the Mechanical Behavior of MWCNT Reinforced Thermoplastic Nanocomposites
Publication: Research - peer-review › Conference article – Annual report year: 2017

Influence of steam-based pre-treatment using acidic chemistries on the adhesion performance of powder coated aluminium alloy AA6060
Publication: Research - peer-review › Journal article – Annual report year: 2017

Influence of the worn tool affected by built-up edge (BUE) on micro end-milling process performance: A 3D finite element modeling investigation
Publication: Research - peer-review › Journal article – Annual report year: 2017

Influence of tool texture on friction and lubrication in strip reduction
Publication: Research - peer-review › Conference article – Annual report year: 2017

Influence of unbalance levels on nonlinear dynamics of a rotor-backup rolling bearing system
Publication: Research - peer-review › Journal article – Annual report year: 2017

Information rich mapping requirement to product architecture through functional system deployment: The multi entity domain approach
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017
Injection and injection-compression moulding replication capability for the production of polymer lab-on-a-chip with nano structures
Calaon, M., Tosello, G., Garnaes, J. & Hansen, H. N. 2017 In : Journal of Micromechanics and Microengineering. 27, 10, 10 p., 105001
Publication: Research - peer-review › Journal article – Annual report year: 2017

Injection Moulding Pilot Production: Performance Assessment of Tooling Process Chains Based on Tool Inserts Made from Brass and A 3d Printed Photopolymer
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Injection Moulding Simulation and Experimental Validation of Hearing Aid Shells
Islam, A. & Li, X. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

In-line 3D print failure detection using computer vision
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Inner centering in parting line area of injection mould using side locks
Mahshid, R. & Hansen, H. N. 2017 Proceedings of the 17th International Conference of the European Society for Precision Engineering and Nanotechnology. The European Society for Precision Engineering and Nanotechnology, 2 p.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Innovative Methods and Applications in Mucoadhesion Research
Publication: Research - peer-review › Review – Annual report year: 2017

In-situ investigations of structural changes during cyclic loading by high resolution reciprocal space mapping
Publication: Research - peer-review › Conference article – Annual report year: 2017

In situ observations of graphite formation during solidification of cast iron
Publication: Research › Ph.D. thesis – Annual report year: 2018

In-situ regeneration of activated carbon with electric potential swing desorption (EPSD) for the H2S removal from biogas
Publication: Research - peer-review › Journal article – Annual report year: 2017

Intact stability analysis of dead ship conditions using FORM
Publication: Research - peer-review › Journal article – Annual report year: 2017

Integrated Computational Modelling of Thermochemical Surface Engineering of Stainless Steel
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017
Integrated Quality Control of Precision Assemblies using Computed Tomography
Publication: Research › Ph.D. thesis – Annual report year: 2017

Integrated working fluid-thermodynamic cycle design of organic Rankine cycle power systems for waste heat recovery
Publication: Research - peer-review › Journal article – Annual report year: 2017

Integration of Fiber-Reinforced Polymers in a Life Cycle Assessment of Injection Molding Process Chains with Additive Manufacturing
Publication: Research: peer-review › Article in proceedings – Annual report year: 2017

Interface strength and degradation of adhesively bonded porous aluminum oxides
Publication: Research - peer-review › Journal article – Annual report year: 2017

Interfacial crack arrest in sandwich beams subjected to fatigue loading using a novel crack arresting device – Numerical modelling
Publication: Research - peer-review › Journal article – Annual report year: 2017

Interfacial Crack Arrest in Sandwich Panels with Embedded Crack Stoppers Subjected to Fatigue Loading
Publication: Research - peer-review › Journal article – Annual report year: 2016

Interfacial Interaction of Oxidatively Cured Hydrogen Silsesquioxane Spin-On-Glass Enamel with Stainless Steel Substrate
Publication: Research - peer-review › Journal article – Annual report year: 2017

Interfacial Shear Rheology of β-Lactoglobulin - Bovine Submaxillary Mucin Layers Adsorbed at Air/Water Interface
Publication: Research - peer-review › Journal article – Annual report year: 2017

Internal Casting Stresses and Dimensional Stability
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Internal Combustion Engine Principles with Vehicle Applications
Publication: Education - peer-review › Book – Annual report year: 2017

Internal shear cracking in bulk metal forming
Publication: Research - peer-review › Journal article – Annual report year: 2017
Investigation of different piston ring curvatures on lubricant transport along cylinder liner in large two-stroke marine diesel engines
Publication: Research - peer-review » Journal article – Annual report year: 2017

Investigation of journal orbit and flow pattern in a dynamically loaded journal bearing
Publication: Research - peer-review » Journal article – Annual report year: 2017

Investigation of moisture uptake into printed circuit board laminate and solder mask materials
Publication: Research - peer-review » Journal article – Annual report year: 2016

Investigation of process parameters influence on flash formation in injection moulding of polymer micro features through design of experiments
Publication: Research - peer-review » Poster – Annual report year: 2017

Investigation of the mechanical properties of GNP/MWCNT reinforced PA66 hybrid nanocomposites
Doagou Rad, S., Islam, A. & Sandegaard Jensen, J. 2017
Publication: Research - peer-review » Paper – Annual report year: 2018

Investigation of the molecular level interactions between mucins and food proteins: Spectroscopic, tribological and rheological studies
Publication: Research » Ph.D. thesis – Annual report year: 2018

Investigation of Tooling for Anisotropic Optical Functional Surfaces
Li, D., Regi, F., Zhang, Y., Madsen, M. H., Nielsen, J. B. & Tosello, G. 2017
Publication: Research - peer-review » Conference abstract for conference – Annual report year: 2017

Investigation on the micro injection molding process of an overmolded multi-material micro component
Baruffi, F., Calaon, M., Tosello, G. & Elsborg, R. 2017
Publication: Research - peer-review » Paper – Annual report year: 2017

Is Earth recognized as a finite system in corporate responsibility reporting?
Publication: Research - peer-review » Journal article – Annual report year: 2016

Iterative Brinkman penalization for simulation of impulsively started flow past a sphere and a circular disc
Publication: Research - peer-review » Journal article – Annual report year: 2017

Joining end-to-end tubing of dissimilar materials by forming
Publication: Research - peer-review » Journal article – Annual report year: 2016

Kinetics analysis of two-stage austenitization in supermartensitic stainless steel
Publication: Research - peer-review » Journal article – Annual report year: 2016
Kinetics modeling of delta-ferrite formation and retention during casting of supermartensitic stainless steel
Publication: Research - peer-review › Journal article – Annual report year: 2017

Konvertering af en 2D AutoCAD model til en 3D konfigurerbar assembly for en Træningspavillon
Christensen, G. K. 2017
Publication: Communication › Sound/Visual production (digital) – Annual report year: 2017

Laser additive manufacturing of multimaterial tool inserts: a simulation-based optimization study
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Laser confocal microscopy noise evaluation on injection compression moulded (ICM) transparent polymer Fresnel lenses
Loaldi, D., Calaon, M., Quagliotti, D., Baruffi, F., Parenti, P., Tosello, G. & Annoni, M. 2017
Publication: Research - peer-review › Poster – Annual report year: 2017

Lessons Learnt from Experts in Design Rationale Knowledge Capture
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Life Cycle Assessment of Fiber-Reinforced Additive Manufacturing for Injection Molding Insert Production
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Linking Scales in Plastic Deformation and Fracture
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Local microstructure and flow stress in deformed metals
Publication: Research - peer-review › Conference article – Annual report year: 2017

Low-complexity Behavioral Model for Predictive Maintenance of Railway Turnouts
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Low Loss Polycarbonate Polymer Optical Fiber for High Temperature FBG Humidity Sensing
Publication: Research - peer-review › Journal article – Annual report year: 2017

Lubricant transport across the piston ring with flat and triangular lubrication injection profiles on the liner in large two-stroke marine diesel engines
Publication: Research - peer-review › Journal article – Annual report year: 2017
Make your own product in the Customerpedia
Shafiee, S. 2017 White paper.
Publication: Communication › Internet publication – Annual report year: 2017

Making the Transition to Circular Economy through readiness assessment
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Martensite formation in Fe-C alloys at cryogenic temperatures
Publication: Research - peer-review › Journal article – Annual report year: 2017

Maskinteknisk Termodynamik: Grundlæggende teori og praksisnær anvendelse
Publication: Education › Book – Annual report year: 2017

Mass entrainment rate of an ideal momentum turbulent round jet
Medrano, F. F., Fukumoto, Y., Veite, C. M. & Hodzic, A. 2017 In : Journal of the Physical Society of Japan. 86, 10 p., 034401
Publication: Research - peer-review › Journal article – Annual report year: 2017

Material testing of copper by extrusion-cutting
Segalina, F. & De Chiffre, L. 2017 In : Procedia C I R P. 58, p. 375-380
Publication: Research - peer-review › Conference article – Annual report year: 2017

Mathematical modelling of moisture transport into an electronic enclosure under non-isothermal conditions
Publication: Research - peer-review › Journal article – Annual report year: 2017

Maximum length scale in density based topology optimization
Publication: Research - peer-review › Journal article – Annual report year: 2017

Material testing of copper by extrusion-cutting
Segalina, F. & De Chiffre, L. 2017 In : Procedia C I R P. 58, p. 375-380
Publication: Research - peer-review › Conference article – Annual report year: 2017

Material testing of copper by extrusion-cutting
Segalina, F. & De Chiffre, L. 2017 In : Procedia C I R P. 58, p. 375-380
Publication: Research - peer-review › Conference article – Annual report year: 2017

Material testing of copper by extrusion-cutting
Segalina, F. & De Chiffre, L. 2017 In : Procedia C I R P. 58, p. 375-380
Publication: Research - peer-review › Conference article – Annual report year: 2017

Material testing of copper by extrusion-cutting
Segalina, F. & De Chiffre, L. 2017 In : Procedia C I R P. 58, p. 375-380
Publication: Research - peer-review › Conference article – Annual report year: 2017

Material testing of copper by extrusion-cutting
Segalina, F. & De Chiffre, L. 2017 In : Procedia C I R P. 58, p. 375-380
Publication: Research - peer-review › Conference article – Annual report year: 2017

Measurement and tailoring of residual stress in expanded austenite on austenitic stainless steel
Publication: Research - peer-review › Journal article – Annual report year: 2017

Measurement noise of a point autofocus surface topography instrument
Feng, X., Quagliotti, D., Maculotti, G., P. Syam, W., Tosello, G., Hansen, H. N., Galetto, M. & Leach, R. 2017
Measurement of turbulent kinetic energy spectrum - Part 1: Convection record method

Measurement of turbulent kinetic energy spectrum - Part 2: Convection record measurements

Measurement of Turbulent Skin Friction Drag Coefficients Produced by Distributed Surface Roughness of Pristine Marine Coatings
Zafiryadis, F., Meyer, K. E. & Gökhan Ergin, F. 2017

Measurement of turbulent spatial structure and kinetic energy spectrum by exact temporal-to-spatial mapping
Buchhave, P. & Velte, C. M. 2017 In : Physics of Fluids. 29, 11 p., 085109

Measuring the implementation of ecodesign management practices: a review and consolidation of process-oriented performance indicators
Rodrigues, V. P., Pigosso, D. C. A. & McAloone, T. C. 2017 In : Journal of Cleaner Production. 156, p. 293–309

Metal alloys for the new generation of compressors at hydrogen stations: Parametric study of corrosion behavior

Metric-driven Robust Design – Robustness Quantification of Complex Engineering Systems

Micro-EDM process modeling and machining approaches for minimum tool electrode wear for fabrication of biocompatible micro-components
Puthumana, G. 2017 In : Journal of Machine Engineering. 17, 3, p. 97-111

Micro injection moulding process optimization of an ultra-small POM three-dimensional component
Baruffi, F., Calaon, M. & Tosello, G. 2017

Micro/Nano manufacturing
Tosello, G. 2017 In : Micromachines. 8, 10, 2 p., 297

Micro-structural evolution in plastically deformed crystalline materials

Microstructure, mechanical behaviour and fracture of pure tungsten wire after different heat treatments
Monitoring microstructural evolution in-situ during cyclic deformation by high resolution reciprocal space mapping
Publication: Research - peer-review › Conference article – Annual report year: 2017

Monitoring of the thermal deformations on polymer parts using a vision system
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Mosquito inspired medical needles
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Moulded Pulp Manufacturing: Overview and Prospects for the Process Technology
Publication: Research - peer-review › Review – Annual report year: 2017

MPUQ-b: Bootstrapping Based Modal Parameter Uncertainty Quantification—Fundamental Principles
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Multi-disciplinary optimization of organic Rankine cycle power systems
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Multi-objective optimization of cellular scanning strategy in selective laser melting
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Multiscale characterization of White Etching Cracks (WEC) in a 100Cr6 bearing from a thrust bearing test rig
Publication: Research - peer-review › Journal article – Annual report year: 2017

Multi Scale Micro and Nano Metrology for Advanced Precision Moulding Technologies
Publication: Research › Ph.D. thesis – Annual report year: 2017

Multi-Scale Modeling of the Structural and Vibrational Behavior of Carbon Nanotube Reinforced Polymeric Nanocomposite Plates
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Nanomanufacturing-Perspective and applications
Nickel-aluminum diffusion: A study of evolution of microstructure and phase

Nominal vs. Effective Wake Fields and their Influence on Propeller Cavitation Performance

Non-Invasive Parameter Identification in Rotordynamics via Fluid Film Bearings: Linking Active Lubrication and Operational Modal Analysis
Santos, I. & Svendsen, P. K. 2017 In : Journal of Engineering for Gas Turbines and Power. 139, 9 p., 062507

Nucleation from a cluster of inclusions, leading to void coalescence
Tvergaard, V. 2017 In : International Journal of Mechanical Sciences. 133, p. 631-638

Numerical Acoustic Models Including Viscous and Thermal losses: Review of Existing and New Methods

Numerical Calibration of Cohesive Zone Energy for Plate Tearing Homogenization-Based Topology Optimization for High-Resolution Continuum, Frame and Truss Structures

Numerical Investigation of Damping of Torsional Beam Vibrations by Viscous Bimoments

Numerical modelling of the bonding process for wind turbine blades: model validation

Numerical modelling of the erosion and deposition of sand inside a filter layer
Jacobsen, N. G., van Gent, M. R. A. & Fredsøe, J. 2017 In : Coastal Engineering. 120, p. 47-63

Numerical simulation of flow and compression of green sand

Numerical Simulation of Methane Slip in Dual Fuel Marine Engines
Numerical simulation of scour and backfilling processes around a circular pile in waves
Publication: Research - peer-review › Journal article – Annual report year: 2017

Numerical simulation of track settlement using a multibody dynamic software a holistic approach
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Numerical Simulations of Planar Extrusion and Fused Filament Fabrication of Non-Newtonian Fluids
Publication: Research - peer-review › Conference article – Annual report year: 2017

On analysis and redesign of bolted L-flanged connections
Pedersen, N. L. 2017 In : Wind Energy. 20, 6, p. 1069-1082
Publication: Research - peer-review › Journal article – Annual report year: 2017

On filter boundary conditions in topology optimization
Claussen, A. & Andreassen, E. 2017 In : Structural and Multidisciplinary Optimization. 56, p. 1147–1155
Publication: Research - peer-review › Journal article – Annual report year: 2017

On fully stressed design and p-norm measures in structural optimization
Zhou, M. & Sigmund, O. 2017 In : Structural and Multidisciplinary Optimization. 56, 3, p. 731-736
Publication: Research - peer-review › Journal article – Annual report year: 2017

On phonons and water flow enhancement in carbon nanotubes
Publication: Research - peer-review › Comment/debate – Annual report year: 2017

On Shaft Fillet Stress Concentration
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

On-site Identification of Dynamic Annular Seal Forces in Turbo Machinery Using Active Magnetic Bearings - An Experimental Investigation
Publication: Research - peer-review › Journal article – Annual report year: 2017

On the Application of Replica Molding Technology for the Indirect Measurement of Surface and Geometry of Micromilled Components
Baruffi, F., Parenti, P., Cacciatore, F., Annoni, M. & Tosello, G. 2017 In : Micromachines. 8, 195, 18 p., 195
Publication: Research - peer-review › Journal article – Annual report year: 2017

On the Controllability and Observability of Actively Lubricated Journal Bearings with Pads Featuring Different Nozzle-Pivot Configurations
Salazar, J. A. G. & Santos, I. 2017 In : Journal of Tribology. 139, 3, 17 p., 031702
Publication: Research - peer-review › Journal article – Annual report year: 2017

On the Effects of Atmospheric Particles Contamination and Humidity on Tin Corrosion
Publication: Research - peer-review › Journal article – Annual report year: 2017
On the elusive crystal structure of expanded austenite
Publication: Research - peer-review › Journal article – Annual report year: 2017

On the Incorporation of Friction Into a Simultaneously Coupled Time Domain Model of a Rigid Rotor Supported by Air Foil Bearings
Publication: Research - peer-review › Journal article – Annual report year: 2017

On the performance of micro injection moulding process simulations of TPE micro rings
Baruffi, F., Calaon, M. & Tosello, G. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Open Issues in Design Informatics
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Optimal design of a microgripper-type actuator based on AlN/Si heterogeneous bimorph
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Optimal usage of low temperature heat sources to supply district heating by heat pumps
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Optimization of a flexible multi-generation system based on wood chip gasification and methanol production
Publication: Research - peer-review › Journal article – Annual report year: 2016

Optimization of photonic crystal cavities
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Optimized constitutive distributions visualized by lamina formulas
Publication: Research - peer-review › Journal article – Annual report year: 2016

Organic Rankine cycle unit for waste heat recovery on ships (PilotORC)
Publication: Commissioned › Report – Annual report year: 2017
Overview of friction modelling in metal forming processes
Nielsen, C. V. & Bay, N. O. 2017 In : Procedia Engineering. 207, p. 2257–2262
Publication: Research - peer-review › Conference article – Annual report year: 2017

Overview of humidity driven reliability issues of electronics
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Oxide nanoparticles in an Al-alloyed oxide dispersion strengthened steel: crystallographic structure and interface with ferrite matrix
Zhang, Z. & Pantleon, W. 2017 In : Philosophical Magazine. 97, 21, p. 1824-1846
Publication: Research - peer-review › Journal article – Annual report year: 2017

Parallel direct solver for finite element modeling of manufacturing processes
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Perceptual Robust Design
Publication: Research › Ph.D. thesis – Annual report year: 2018

Performance analysis of different organic Rankine cycle configurations on board liquefied natural gas-fuelled vessels
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Performance of a Tilt Current Meter in the Surf Zone
Hansen, A. B., Carstensen, S., Christensen, D. F. & Aagaard, T. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Performance of ultra low temperature district heating systems with utility plant and booster heat pumps
Publication: Research - peer-review › Journal article – Annual report year: 2017

Performance Simulation and Verification of Vat Photopolymerization Based, Additively Manufactured Injection Molding Inserts with Micro-Features
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Photogrammetry for Repositioning in Additive Manufacturing
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

PicPrint: Embedding pictures in additive manufacturing
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

PIV measurements of breaking waves
Vested, M. H. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017
PIV measurements of velocities and accelerations under breaking waves on a slope
Vested, M. H., Carstensen, S. & Christensen, E. D. 2017 In : Geophysical Research Abstracts. 19, 1 p., 7837
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2017

POD Mode Robustness for the Turbulent Jet Sampled with PIV
Publication: Research - peer-review › Book chapter – Annual report year: 2016

Pore Pressure Under A Gravity Based Structure Under The Influence Of Waves
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Porous Media and Immersed Boundary Hybrid-Modelling for Simulating Flow in Stone Cover-Layers
Jensen, B., Liu, X., Christensen, E. D. & Renby, J. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Predicting intragranular misorientation distributions in polycrystalline metals using the viscoplastic self-consistent formulation
Publication: Research - peer-review › Journal article – Annual report year: 2017

Predicting the onset of cracks in bulk metal forming by ductile damage criteria
Publication: Research - peer-review › Conference article – Annual report year: 2017

Prediction of properties of new halogenated olefins using two group contribution approaches
Publication: Research - peer-review › Journal article – Annual report year: 2016

Preface to special issue of selected papers from Theoretical, Experimental, and Computational Mechanics (TECM)
Publication: Research - peer-review › Comment/debate – Annual report year: 2017

Pre-oxidation and its effect on reducing high-temperature corrosion of superheater tubes during biomass firing
Publication: Research - peer-review › Journal article – Annual report year: 2016

Pressure-assisted forming of non-concentric tubular cross sections with solid medium
Publication: Research - peer-review › Journal article – Annual report year: 2016

Pressurized reversible operation of a 30-cell solid oxide cell stack using carbonaceous gases
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Pre-treatment of Biomass By Rolling - A Combined Experimental and Numerical Analysis
Printed Circuit Board Surface Finish and Effects of Chloride Contamination, Electric Field, and Humidity on Corrosion Reliability

Proceedings of the 30th Nordic Seminar on Computational Mechanics (NSCM-30)


Process chain for fabrication of anisotropic optical functional surfaces on polymer components

Product portfolio optimization based on substitution

Product/Service-System Origins and Trajectories: A Systematic Literature Review of PSS Definitions and their Characteristics

Prospects of the use of nanofluids as working fluids for organic Rankine cycle power systems

Publisher's note: "Topology optimized gold nanostrips for enhanced near-infrared photon upconversion" [Appl. Phys. Lett. 111, 133102 (2017)]

Quantification of deformation microstructure at ultra-low tensile strain in pure Al prepared by spark plasma sintering

Quantifying the robustness of process manufacturing concept – A medical product case study

Quasi-Static Condensation of Aeroelastic Suspension Bridge Model
Rheology of high melt strength polypropylene for additive manufacturing
Publication: Research - peer-review › Journal article – Annual report year: 2017

Robust Return Algorithm for Anisotropic Plasticity Models
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Sample Applications of the Second Generation Intact Stability Criteria – Robustness and Consistency Analysis
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Scientific support for business with implementing circular economy for enhanced competitiveness and sustainability
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Selecting the optimum engineering model for the frequency response of fcc nanowire resonators
Publication: Research - peer-review › Journal article – Annual report year: 2017

Selection of cooling fluid for an organic Rankine cycle unit recovering heat on a container ship sailing in the Arctic region
Publication: Research - peer-review › Journal article – Annual report year: 2017

Sensing and Rating of Vehicle–Railroad Bridge Collision
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Shear and foundation effects on crack root rotation and mode-mixity in moment- and force-loaded single cantilever beam sandwich specimen
Publication: Research - peer-review › Journal article – Annual report year: 2017

Shot peening speed measurements using lidar technology
Publication: Research - peer-review › Report – Annual report year: 2017

Simulation-Based Business Case for PSS: A System Dynamics Framework
Rodrigues, V. P., Pigosso, D. C. A. & McAloone, T. C. 2017 In: Procedia C I R P. 64, p. 283-288
Publication: Research - peer-review › Conference article – Annual report year: 2017

Simultaneous measurement of temperature and humidity with microstructured polymer optical fiber Bragg gratings
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017
Slip divergence of water flow in graphene nanochannels: the role of chirality
Publication: Research - peer-review › Journal article – Annual report year: 2017

Solution-Mediated Annealing of Polymer Optical Fiber Bragg Gratings at Room Temperature
Publication: Research - peer-review › Journal article – Annual report year: 2017

Solving the linearized forward-speed radiation problem using a high-order finite difference method on overlapping grids
Publication: Research - peer-review › Journal article – Annual report year: 2017

Spread of fluid: Role of tip configurations in needles
Publication: Research - peer-review › Journal article – Annual report year: 2017

Start-up performance of parabolic trough concentrating solar power plants
Publication: Research - peer-review › Conference article – Annual report year: 2017

State-of-the-art of fiber-reinforced polymers in additive manufacturing technologies
Publication: Research - peer-review › Journal article – Annual report year: 2017

State-of-the-art on Computed Tomography and assembly verification
Stolfi, A. 2017 53 p.
Publication: Research › Report – Annual report year: 2017

Statistical prediction of parametric roll using FORM
Publication: Research - peer-review › Journal article – Annual report year: 2017

Steady-state crack growth in single crystals under Mode I loading
Publication: Research - peer-review › Journal article – Annual report year: 2017

Steady-state, elastic-plastic growth of slanted cracks in symmetrically loaded plates
Publication: Research - peer-review › Journal article – Annual report year: 2017

Steady-state numerical modeling of size effects in micron scale wire drawing
Publication: Research - peer-review › Journal article – Annual report year: 2017

Steam based conversion coating on AA6060 alloy: Effect of sodium silicate chemistry and corrosion performance
Publication: Research - peer-review › Journal article – Annual report year: 2017

Stress and Strain Gradients In a Low Carbon Steel Deformed under Heavy Sliding
Zhang, X., Hansen, N. & Huang, X. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017
Superhydrophobic hierarchical structures produced with extrusion coating
Okulova, N., Okulov, V. & Taboryski, R. J. 2017
Publication: Research - peer-review » Conference abstract for conference – Annual report year: 2017

Suspended particle transport through constriction channel with Brownian motion
Publication: Research - peer-review » Journal article – Annual report year: 2017

Synchrotron measurements of local microstructure and residual strains in ductile cast iron
Publication: Research - peer-review » Conference article – Annual report year: 2017

Tailoring the nonlinear response of MEMS resonators using shape optimization
Publication: Research - peer-review » Journal article – Annual report year: 2017

Techno-economic analysis of expander-based configurations for natural gas liquefaction
Publication: Research - peer-review » Article in proceedings – Annual report year: 2017

Testing of bearing materials for large two-stroke marine diesel engines
Publication: Research - peer-review » Journal article – Annual report year: 2017

The collapse of Tacoma Narrows Bridge: a piece to the puzzle
Walther, J. H., Christensen, D. S., Malthe, M. G., Roenne, M., Spietz, H. J., Larsen, A. & Larsen, S. V. 2017
Publication: Research - peer-review » Conference abstract for conference – Annual report year: 2017

The development of a computational platform to design and simulate on-board hydrogen storage systems
Publication: Research - peer-review » Journal article – Annual report year: 2017

The effect of saturation on resin flow in injection pultrusion: a preliminary numerical study
Publication: Research - peer-review » Paper – Annual report year: 2017

The emergent role of digital technologies in the Circular Economy: A review
Publication: Research - peer-review » Conference article – Annual report year: 2017

The impact of tool wear on the functionality of replicated polymer surface with micro structures
Li, D., Zhang, Y., Regi, F., Tosello, G. & Nielsen, J. B. 2017
Publication: Research - peer-review » Conference abstract for conference – Annual report year: 2017

The influence of costs and benefits’ analysis on service strategy formulation: Learnings from the shipping industry
Publication: Research - peer-review » Journal article – Annual report year: 2017
The influence of solder mask and hygroscopic flux residues on water layer formation on PCBA surface and corrosion reliability of electronics
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

The Influence of Tool Texture on Friction and Lubrication in Strip Reduction Testing
Publication: Research - peer-review › Journal article – Annual report year: 2017

The Particle-Matrix model: limitations and further improvements needed
Cepuritis, R., Jacobsen, S. & Spangenberg, J. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Thermal decomposition of solder flux activators under simulated wave soldering conditions
Piotrowska, K., Jellesen, M. S. & Ambat, R. 2017 In : Soldering & Surface Mount Technology. 29, 3, p. 133-143
Publication: Research - peer-review › Journal article – Annual report year: 2017

Thermally activated martensite formation in ferrous alloys
Publication: Research - peer-review › Journal article – Annual report year: 2017

Thermal modelling of extrusion based additive manufacturing of composite materials
Publication: Research - peer-review › Paper – Annual report year: 2017

Thermochemical Surface Engineering: A Playground for Science and Innovation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Thermodynamic analysis of oil and gas platforms over various production profiles and feed compositions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Thermodynamic comparison of three small-scale gas liquefaction systems
Publication: Research - peer-review › Journal article – Annual report year: 2017

Thermodynamic investigation of a shared cogeneration system with electrical cars for northern Europe climate
Publication: Research - peer-review › Journal article – Annual report year: 2017

Thermoeconomic diagnosis and entropy generation paradox
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Thermo-economic optimization of secondary distribution network of low temperature district heating network under local conditions of South Korea
Publication: Research - peer-review › Journal article – Annual report year: 2017
Thermo-Electrical Mathematical Model for Prediction of Ni-Cr Hot-Wire Temperature in Free Air and Inside Small Circular Cavities
Publication: Research - peer-review › Journal article – Annual report year: 2017

Thermofluid topology optimization of heat sinks
Haertel, J. H. K., Lei, T., Alexandersen, J., Engelbrecht, K., Lazarov, B. S. & Sigmund, O. 2017
Publication: Research › Poster – Annual report year: 2017

Thermophoretic transport of water nanodroplets confined in carbon nanotubes: the role of friction
Oyarzua, E., Walther, J. H. & Zambrano, H. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

The ternary Fe-C-N system: Homogeneous distributions of nitrogen and carbon
Publication: Research - peer-review › Journal article – Annual report year: 2016

The transition between undiluted and oligomer-diluted states of nearly monodisperse polystyrenes in extensional flow
Huang, Q. & Rasmussen, H. K. 2017 In : Rheologica Acta. 56, 9, p. 719-727
Publication: Research - peer-review › Journal article – Annual report year: 2017

The variation management framework (VMF): A unifying graphical representation of robust design
Howard, T. J., Eifler, T., Pedersen, S. N., Göhler, S. M., Boorla, S. M. & Christensen, M. E. 2017 In : Quality Engineering. 29, 4, p. 563-572
Publication: Research - peer-review › Journal article – Annual report year: 2017

Thin Glass Coatings for the Corrosion Protection of Metals
Publication: Research › Ph.D. thesis – Annual report year: 2018

Three-Dimensional X-Ray Diffraction Technique for Metals Science
Publication: Research - peer-review › Journal article – Annual report year: 2017

Tolerance analysis in manufacturing using process capability ratio with measurement uncertainty
Mahshid, R., Mansourvar, Z. & Hansen, H. N. 2017 In : Precision Engineering. 41
Publication: Research - peer-review › Journal article – Annual report year: 2017

Tolerances in micro manufacturing
Hansen, H. N., Zhang, Y. & Islam, A. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Topology optimization and lattice Boltzmann methods
Publication: Research › Ph.D. thesis – Annual report year: 2018

Topology optimization for optical microlithography with partially coherent illumination
Publication: Research - peer-review › Journal article – Annual report year: 2016

Topology optimization for reduction of thermo-elastic dissipation in MEMS resonators
Topology Optimization Methods for Acoustic-Mechanical Coupling Problems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Topology optimization of 3D shell structures with porous infill
Publication: Research - peer-review › Journal article – Annual report year: 2017

Topology Optimization of Active Transport Flows
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Topology optimization of heat exchangers and heat sinks
Haertel, J. H. K., Lei, T., Alexandersen, J., Engelbrecht, K., Lazarov, B. S. & Sigmund, O. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Topology optimization of inertia driven dosing units
Andreasen, C. S. 2017 In : Structural and Multidisciplinary Optimization. 55, 4, p. 1301–1309
Publication: Research - peer-review › Journal article – Annual report year: 2016

Topology optimization of microwave waveguide filters
Publication: Research - peer-review › Journal article – Annual report year: 2017

Topology optimization of nanoparticles for localized electromagnetic field enhancement
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Topology optimized gold nanostrips for enhanced near-infrared photon upconversion
Publication: Research - peer-review › Journal article – Annual report year: 2017

Towards prioritizing flexibility in the design and construction of concentrating solar power plants
Publication: Research - peer-review › Conference article – Annual report year: 2017

Traceability investigation in Computed Tomography using industry-inspired workpieces
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017
Transformation of a wave energy spectrum from encounter to absolute domain when observing from an advancing ship
Publication: Research - peer-review › Journal article – Annual report year: 2017

Transient and steady state behaviour of elasto–aerodynamic air foil bearings, considering bump foil compliance and top foil inertia and flexibility: A numerical investigation
Publication: Research - peer-review › Journal article – Annual report year: 2017

Tsunami Induced Scour Around Monopile Foundations
Publication: Research - peer-review › Journal article – Annual report year: 2017

Two-Photon Polymerization lithography for three-dimensional micro polymer parts manufacturing evaluation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Two Thermoeconomic Diagnosis Methods Applied to Representative Operating Data of a Commercial Transcritical Refrigeration Plant
Ommen, T. S., Sigthorsson, O. & Elmegaard, B. 2017 In : Entropy. 19, 2, 21 p., 69
Publication: Research - peer-review › Journal article – Annual report year: 2017

Understanding group design behaviour in engineering design education
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Understanding the formation process of the liquid slug in a hilly-terrain wet natural gas pipeline
Yang, Y., Li, J., Wang, S. & Wen, C. 2017 In : Journal of Environmental Chemical Engineering. 5, 5, p. 4220-4228
Publication: Research - peer-review › Journal article – Annual report year: 2017

Usage Frequency of Product Configuration Systems Relative to Integrations and Fields of Application
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Using Group Drawings Activities to Facilitate the Understanding of Systemic Aspects of Projects
Publication: Research - peer-review › Journal article – Annual report year: 2017

Validation of Vibro-Impact Force Models by Numerical Simulation, Perturbation Methods and Experiments
Publication: Research - peer-review › Journal article – Annual report year: 2017

Vibration-based testing of bolted joints
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Vibration Control in Periodic Structures
Void coalescence mechanism for combined tension and large amplitude cyclic shearing

Wake structure and thrust generation of a flapping foil in two-dimensional flow

Wave propagation in axially moving periodic strings
Sorokin, V. S. & Thomsen, J. J. 2017 In : Journal of Sound and Vibration. 393, p. 133-144

Zeonex microstructured polymer optical fiber: fabrication friendly fibers for high temperature and humidity insensitive Bragg grating sensing

Zeonex-PMMA microstructured polymer optical FBGs for simultaneous humidity and temperature sensing

Complexity Management - A multiple case study analysis on control and reduction of complexity costs

3D artefact for concurrent scale calibration in Computed Tomography
Stolfi, A. & De Chiffre, L. 2016 In : C I R P Annals. 65, 1, p. 499-502

3D Lagrangian VPM: simulations of the near-wake of an actuator disc and horizontal axis wind turbine

3D-printed PMMA Preform for Hollow-core POF Drawing

Accuracy assessment of an industrial actuator

Accuracy Enhancement of CT Measurements using Data Filtering

Accuracy of an efficient framework for structural analysis of wind turbine blades
Accurate calibration of RL shunts for piezoelectric vibration damping of flexible structures
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

A computational model for heterogeneous heating during pulsed laser irradiation of polymers doped with light-absorbing microparticles
Publication: Research - peer-review › Journal article – Annual report year: 2016

A conceptual framework for designing micro electrical connectors for hearing aid instruments
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

A constitutive analysis of the extensional flows of nearly monodisperse polyisoprene melts
Rasmussen, H. K. 2016 In : Polymer. 104, p. 251-257
Publication: Research - peer-review › Journal article – Annual report year: 2016

A contribution to the understanding of the combined effect of nitrogen and boron in grey cast iron
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

A Coupled VOF-Eulerian Multiphase CFD Model to Simulate Breaking Wave Impacts on Offshore Structures
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Acoustic emission-based in-process monitoring of surface generation in robot-assisted polishing
Publication: Research - peer-review › Journal article – Annual report year: 2015

Active lubrication applied to radial gas journal bearings. Part 2: Modelling improvement and experimental validation
Pierart, F. G. & Santos, I. F. 2016 In : Tribology International. 96, p. 237–246
Publication: Research - peer-review › Journal article – Annual report year: 2016

Activity-based Sustainability Assessment of Highly Automated Manufacturing
Rödger, J-M., Bey, N. & Alting, L. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Adaptive Layer Height During DLP Materials Processing
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Adaptive Neuro-Fuzzy Inference System Models for Force Prediction of a Mechatronic Flexible Structure
Publication: Research - peer-review › Journal article – Annual report year: 2016
A design approach for integrating thermoelectric devices using topology optimization
Publication: Research - peer-review › Journal article – Annual report year: 2016

Adjustable hybrid gas bearing – Influence of piezoelectrically adjusted injection on damping factors and natural frequencies of a flexible rotor operating under critical speeds
Publication: Research - peer-review › Journal article – Annual report year: 2016

Advanced exergy analysis of a R744 booster refrigeration system with parallel compression
Publication: Research - peer-review › Journal article – Annual report year: 2016

Advanced microstructural analysis of cyclically deforming metallic materials towards lifetime improvement
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Aerodynamically shaped vortex generators
Publication: Research - peer-review › Journal article – Annual report year: 2015

A finite element framework for distortion gradient plasticity with applications to bending of thin foils
Publication: Research - peer-review › Journal article – Annual report year: 2016

A framework for conceptualisation of PSS solutions: On network-based development models
Publication: Research › Ph.D. thesis – Annual report year: 2016

A fully-coupled approach combining plastic deformation and liquid lubrication
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

A Fully-Coupled Approach for Modelling Plastic Deformation and Liquid Lubrication in Metal Forming
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

A high order regularisation method for solving the Poisson equation and selected applications using vortex methods
Publication: Research › Ph.D. thesis – Annual report year: 2016

Airfoil selection methodology for Small Wind Turbines
Publication: Research - peer-review › Journal article – Annual report year: 2017

Almost like being there; the Power of Personas when designing for foreign Cultures
Publication: Research - peer-review › Journal article – Annual report year: 2016
A method for aggregating external operating conditions in multi-generation system optimization models
Publication: Research - peer-review › Journal article – Annual report year: 2016

A Method for Ship Collision Damage and Energy Absorption Analysis and Its Validation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

A methodology for designing flexible multi-generation systems
Publication: Research - peer-review › Journal article – Annual report year: 2016

A micro-mechanical analysis of thermo-elastic properties and local residual stresses in ductile iron based on a new anisotropic model for the graphite nodules: Paper
Andriollo, T., Thorborg, J., Tiedje, N. S. & Hattel, J. H. 2016 In : Modelling and Simulation in Materials Science and Engineering. 24, 5, 055012
Publication: Research - peer-review › Journal article – Annual report year: 2016

A Model of Parallel Kinematics for Machine Calibration
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

A multi-layered approach to product architecture modeling: Applied to technology prototypes
Ravn, P. M., Guðlaugsson, T. V. & Mortensen, N. H. 2016 In : Concurrent Engineering: Research and Applications. 24, 1, p. 3-16
Publication: Research - peer-review › Journal article – Annual report year: 2015

A multi-resolution method for solving the Poisson equation using high order regularization
Hejlesen, M. M. & Walther, J. H. 2016 In : Journal of Computational Physics. 326, p. 188-196
Publication: Research - peer-review › Journal article – Annual report year: 2016

Análise Dos Custos Da Produção Por Manufatura Aditiva Em Comparação A Métodos Convencionais
Mezzeti Giordano, C., de Senzi Zancul, E. & Rodrigues, V. P. 2016 In : Produção Online. 16, 2, p. 499-523
Publication: Research - peer-review › Journal article – Annual report year: 2016

Analysis of experimental grain scale data in a crystal plasticity framework
Winther, G. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Analysis of hybrid viscous damper by real time hybrid simulations
Publication: Research - peer-review › Journal article – Annual report year: 2016

Analysis of moisture transport between connected enclosures under a forced thermal gradient
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Analysis of the effect of ultrasonic vibrations on the performance of micro-electrical discharge machining of A2 tool steel
Publication: Research - peer-review › Journal article – Annual report year: 2016
Analytical solution to the 1D Lemaitre's isotropic damage model and plane stress projected implicit integration procedure
Publication: Research - peer-review › Journal article – Annual report year: 2016

An analytical solution describing the shape of a yield stress material subjected to an overpressure
Publication: Research - peer-review › Conference article – Annual report year: 2016

An assessment of in-tube flow boiling correlations for ammonia-water mixtures and their influence on heat exchanger size
Publication: Research - peer-review › Journal article – Annual report year: 2015

An attempt to define critical wave and wind scenarios leading to capsize in beam sea
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

An axisymmetrical non-linear finite element model for induction heating in injection molding tools
Publication: Research - peer-review › Journal article – Annual report year: 2016

A new 12% chromium steel strengthened by Z-phase precipitates
Publication: Research - peer-review › Journal article – Annual report year: 2016

An experimental investigation of the performance of metallic and sandwich ship bulkheads under combined thermo-mechanical loading
Karatzas, V., Lauridsen, D. & Berggreen, C. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

An international comparison of surface texture parameters quantification on polymer artefacts using optical instruments
Tosello, G., Haitjema, H., Leach, R. K., Quagliotti, D., Gasparin, S. & Hansen, H. N. 2016 In : C I R P Annals. 65, 1, p. 529-532
Publication: Research - peer-review › Journal article – Annual report year: 2016

An optimized outlier detection algorithm for jury-based grading of engineering design projects
Publication: Research - peer-review › Journal article – Annual report year: 2016

A note on the relative efficiency of methods for computing the transient free-surface Green function
Bingham, H. B. 2016 In : Ocean Engineering. 120, p. 15-20
Publication: Research - peer-review › Journal article – Annual report year: 2016

A novel model for interpreting experimental results from sandwich composites exposed to fire conditions
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

A perfectly matched layer for fluid-solid problems: Application to ocean-acoustics simulations with solid ocean bottoms
Publication: Research - peer-review › Journal article – Annual report year: 2016
Assessment of chromium(VI) release from 848 jewellery items by use of a diphenylcarbazide spot test

Assessment of Emerging Renewable Energy-based Cogeneration Systems for nZEB Residential Buildings

Assessment of thermodynamic models for the design, analysis and optimisation of gas liquefaction systems
Nguyen, T-V. & Elmegaard, B. 2016 In : Applied Energy. 183, p. 43-60

A Study on the uncertainty and sensitivity in numerical simulation of parametric roll

A systematic approach applied in design of a micro heat exchanger

A thermo-electro-mechanical simulation model for hot wire cutting of EPS foam

Attaining the rate-independent limit of a rate-dependent strain gradient plasticity theory

Automatic generation of design structure matrices through the evolution of product models

Band gap tuning of amorphous Al oxides by Zr alloying

Bayesian inference model for fatigue life of laminated composites
Dimitrov, N. K., Kiureghian, A. D. & Berggreen, C. 2016 In : Journal of Composite Materials. 50, 2, p. 131-143

Biomixing in stagnant water above population of blue mussels (Mytilus edulis).
Bonding mechanisms in spot welded three layer combinations
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Calibration of a Numerical Model for Heat Transfer and Fluid Flow in an Extruder
Publication: Research - peer-review › Journal article – Annual report year: 2015

Calibration of surface roughness standards
Publication: Research - peer-review › Journal article – Annual report year: 2016

Carbon nanotube-based coatings to induce flow enhancement in hydrophilic nanopores
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Cavitation instabilities between fibres in a metal matrix composite
Tvergaard, V. 2016 In : Acta Mechanica. 227, 4, p. 993-1003
Publication: Research - peer-review › Journal article – Annual report year: 2016

Ceramic tape casting: A review of current methods and trends with emphasis on rheological behaviour and flow analysis
Publication: Research - peer-review › Review – Annual report year: 2016

CFD Applied for the Identification of Stiffness and Damping Properties for Smooth Annular Turbomachinery Seals in Multiphase Flow
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

CFD modelling of condensation process of water vapor in supersonic flows
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

CFD Study on Effective Wake of Conventional and Tip-modified Propellers
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Challenges when evaluating Product/Service-Systems through Life Cycle Assessment
Kjaer, L. L., Pagoropoulos, A., Schmidt, J. H. & McAloone, T. C. 2016 In : Journal of Cleaner Production. 120, p. 95-104
Publication: Research - peer-review › Journal article – Annual report year: 2016

Characterization of Fibre-Direction Dependent Damping of Glass-Fibre Composites at Low Temperatures and Low Frequencies
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017
CNT based thermal Brownian motor to pump water in nanodevices
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Cobalt release and complications resulting from the use of dental prostheses
Publication: Research - peer-review › Journal article – Annual report year: 2016

Cogenerative Performance of a Wind – Gas Turbine – Organic Rankine Cycle Integrated System for Offshore Applications
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Publication: Research - peer-review › Journal article – Annual report year: 2016

Combined Turbine and Cycle Optimization for Organic Rankine Cycle Power Systems—Part B: Application on a Case Study
La Seta, A., Meroni, A., Andreasen, J. G., Pierobon, L., Persico, G. & Haglind, F. 2016 In : Energies. 9, 6, 17 p., 393
Publication: Research - peer-review › Journal article – Annual report year: 2016

Comparing the photocatalytic activity of TiO₂ at macro- and microscopic scales
Publication: Research - peer-review › Journal article – Annual report year: 2016

Comparison Between Stress Obtained by Numerical Analysis and In-Situ Measurements on a Flexible Pipe Subjected to In-Plane Bending Test
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Comparison of conventional Injection Mould Inserts to Additively Manufactured Inserts using Life Cycle Assessment
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Comparison of four computational methods for computing Q factors and resonance wavelengths in photonic crystal membrane cavities
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Comparison of measurements from optical CMM and focus-variation microscope of a µPIM mechanical part
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Comparison of measurements from optical CMM and focus-variation microscope of a µPIM mechanical part
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016
Composition-dependent variation of magnetic properties and interstitial ordering in homogeneous expanded austenite
Publication: Research - peer-review › Journal article – Annual report year: 2016

Computation of Added Mass and Damping Coefficients of a Horizontal Circular Cylinder in Open Foam
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Computed Tomography characterization of the Green Fiber Bottle
Publication: Research - peer-review › Poster – Annual report year: 2016

Contact area measurements on structured surfaces
Kücükyıldız, Ö. C., Jensen, S. H. N. & De Chiffre, L. 2016
Publication: Research - peer-review › Poster – Annual report year: 2017

Continuous vs. pulsating flow boiling. Part 1: Experimental comparison and visualization
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Continuous vs. pulsating flow boiling. Part 2: Statistical comparison using response surface methodology
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Convergence of near-field added resistance calculations using a high order finite-difference method
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Correction of systematic behaviour in topographical surface analysis
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Corrosion behavior of construction materials for ionic liquid hydrogen compressor
Publication: Research - peer-review › Journal article – Annual report year: 2016

CO₂-mitigation options for the offshore oil and gas sector
Publication: Research - peer-review › Journal article – Annual report year: 2015

Coupled Acoustic-Mechanical Bandgaps
Publication: Research - peer-review › Journal article – Annual report year: 2016

Crack Tip Flipping Under Mode I/III Tearing
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017
Creating Materials with Negative Refraction Index using Topology Optimization
Christiansen, R. E. & Sigmund, O. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Creation of a microstructured polymer optical fiber with UV Bragg grating inscription for the detection of extensions at temperatures up to 125°C
Publication: Research - peer-review › Conference article for conference – Annual report year: 2016

CT crown for on-machine scale calibration in Computed Tomography
Stolfi, A. & De Chiffre, L. 2016 Proceedings of euspen’s 16th International Conference & Exhibition. 2 p.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Current Solid Mechanics Research
Publication: Communication › Book chapter – Annual report year: 2017

Damage modeling in Small Punch Test specimens
Publication: Research - peer-review › Journal article – Annual report year: 2016

Damping characteristics of a footbridge: Mysteries and truths
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Damping of Torsional Beam Vibrations by Control of Warping Displacement
Publication: Research - peer-review › Journal article – Annual report year: 2016

Data Acquisition for Quality Loss Function Modelling
Pedersen, S. N. & Howard, T. J. 2016 In : Procedia C I R P. 43, p. 112-117
Publication: Research - peer-review › Conference article – Annual report year: 2016

Decomposition of no-clean solder flux systems and their effects on the corrosion reliability of electronics
Publication: Research - peer-review › Journal article – Annual report year: 2015

Defining Interactions and Interfaces in Engineering Design
Publication: Research › Ph.D. thesis – Annual report year: 2016

Defining the challenges for ecodesign implementation in companies: development and consolidation of a framework
Publication: Research - peer-review › Journal article – Annual report year: 2016
DeRisk - Accurate prediction of ULS wave loads. Outlook and first results
Publication: Research - peer-review › Conference article – Annual report year: 2016

Derivation and analysis of the analytical velocity and vortex stretching expressions for an O (N log N)-FMM
Publication: Research - peer-review › Conference article – Annual report year: 2016

Design and Calibration of a Full Scale Active Magnetic Bearing Based Test Facility for Investigating Rotordynamic Properties of Turbomachinery Seals in Multiphase Flow
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Design and optimization of flexible multi-generation systems
Publication: Research › Ph.D. thesis – Annual report year: 2017

Design for Additive Manufacturing: Trends, opportunities, considerations, and constraints
Publication: Research - peer-review › Journal article – Annual report year: 2016

Designing for Color in Additive Manufacturing
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Designing Meta Material Slabs Exhibiting Negative Refraction Using Topology Optimization
Christiansen, R. E. & Sigmund, O. 2016 In : Structural and Multidisciplinary Optimization. 54, 3, p. 469–482
Publication: Research - peer-review › Journal article – Annual report year: 2016

Design of advanced materials for linear and nonlinear dynamics
Publication: Research › Ph.D. thesis – Annual report year: 2016

Design of Bolted L-Flanged Connections
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Design of passive directional acoustic devices using Topology Optimization - from method to experimental validation
Publication: Research - peer-review › Journal article – Annual report year: 2016
Design of serially connected ammonia-water hybrid absorption-compression heat pumps for district heating with the utilisation of a geothermal heat source
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Detection of fungal growth and its influence on gypsum wallboard – in the process of creating sustainable building materials
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Determination of Lubricant Bulk Modulus in Metal Forming by Means of a Simple Laboratory Test and Inverse FEM Analysis
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Determination of stamp deformation during imprinting on semi-spherical surfaces
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Development of a Simplified Process Integration Methodology for application in Medium-Size Industries
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Development of multi-component diesel surrogate fuel models – Part II: Validation of the integrated mechanisms in 0-D kinetic and 2-D CFD spray combustion simulations
Publication: Research - peer-review › Journal article – Annual report year: 2016

Development of multi-component diesel surrogate fuel models – Part I: Validation of reduced mechanisms of diesel fuel constituents in 0-D kinetic simulations
Publication: Research - peer-review › Journal article – Annual report year: 2016

Distribution and Orientation of Carbon Fibers in Polylactic Acid Parts Produced by Fused Deposition Modeling
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Drying of a tape-cast layer: Numerical modelling of the evaporation process in a graded/layered material
Publication: Research - peer-review › Journal article – Annual report year: 2016

Ductile failure modeling
Publication: Research - peer-review › Journal article – Annual report year: 2016

Dynamic Length Metrology (DLM) for measurements with sub-micrometre uncertainty in a production environment
Dynamic Modeling of Pavements with Application to Deflection Measurements
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Dynamic performance of a novel offshore power system integrated with a wind farm
Publication: Research - peer-review › Journal article – Annual report year: 2016

Economic benefits of metrology in manufacturing
Publication: Research - peer-review › Journal article – Annual report year: 2016

Editorial
Publication: Research - peer-review › Editorial – Annual report year: 2016

Effect of delta wing on the particle flow in a novel gas supersonic separator
Publication: Research - peer-review › Journal article – Annual report year: 2016

Effect of Fe ion concentration on corrosion of carbon steel in CO2 environment
Publication: Research - peer-review › Journal article – Annual report year: 2016

Effect of Fe ion concentration on fatigue life of carbon steel in aqueous CO2 environment
Publication: Research - peer-review › Journal article – Annual report year: 2016

Effect of Geometry in Frequency Response Modeling of Nanomechanical Resonators
Publication: Research - peer-review › Conference article – Annual report year: 2016

Effect of Grain Boundary Character Distribution on the Impact Toughness of 410NiMo Weld Metal
Publication: Research - peer-review › Journal article – Annual report year: 2016

Effect of meniscus contact angle during early regimes of spontaneous capillarity in nanochannels
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Effect of Micro Electrical Discharge Machining Process Conditions on Tool Wear Characteristics: Results of an Analytic Study
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016
Energy and environmental performance assessment of R744 booster supermarket refrigeration systems operating in warm climates
Publication: Research - peer-review › Journal article – Annual report year: 2016

Energy and Exergy Analyses of the Danish Industry Sector
Publication: Research - peer-review › Journal article – Annual report year: 2016

Energy efficiency measures for offshore oil and gas platforms
Publication: Research - peer-review › Journal article – Annual report year: 2016

Energy, Exergy and Advanced Exergy Analysis of a Milk Processing Factory
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Enhancement of wear and corrosion resistance of beta titanium alloy by laser gas alloying with nitrogen
Publication: Research - peer-review › Journal article – Annual report year: 2016

Environmentally clean micromilling of electron beam melted Ti6Al4V
Bruschi, S., Tristo, G., Rysava, Z., Bariani, P. P., Umbrello, D. & De Chiffre, L. 2016 In : Journal of Cleaner Production. 133, p. 932-941
Publication: Research - peer-review › Journal article – Annual report year: 2016

Erratum for "Simulation of Wave-Plus-Current Scour beneath Submarine Pipelines" by Bjarke Eltard Larsen, David R. Fuhrman, and B. Mutlu Sumer
Eltard-Larsen, B., Fuhrman, D. R. & Sumer, B. M. 2016 In : Journal of Waterway, Port, Coastal, and Ocean Engineering. 142, 5, 1 p., 08216001
Publication: Research - peer-review › Comment/debate – Annual report year: 2016

Estimating Reusable Requirements Derived from Laws and Regulations for Medical Device Development
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Estimation of wake propagation behind the rotors of wind-powered generators
Publication: Research - peer-review › Journal article – Annual report year: 2016

Estimation of Water Diffusion Coefficient into Polycarbonate at Different Temperatures Using Numerical Simulation
Publication: Research - peer-review › Conference article – Annual report year: 2016
Experimental skin deposition of chromium on the hands following handling of samples of leather and metal
Bregnbak, D., Thyssen, J. P., Jellesen, M. S., Zachariae, C. & Johansen, J. D. 2016 In : Contact Dermatitis. 75, 2, p. 89-95
Publication: Research - peer-review › Journal article – Annual report year: 2016

Experimental study of humidity distribution inside electronic enclosure and effect of internal heating
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Experimental Study of Liquid Fuel Spray Combustion
Publication: Research › Ph.D. thesis – Annual report year: 2017

Experimental validation of systematically designed acoustic hyperbolic meta material slab exhibiting negative refraction
Christiansen, R. E. & Sigmund, O. 2016 In : Applied Physics Letters. 109, 10, 5 p., 101905
Publication: Research - peer-review › Journal article – Annual report year: 2016

Experimentelle Bestimmung der Dämpfung eines Bauwerkes am Beispiel einer Fußgängerbrücke - Worauf man achten sollte
Publication: Research - peer-review › Journal article – Annual report year: 2016

Explicit solution for the natural frequency of structures with partial viscoelastic treatment
Høgsberg, J. B. 2016 In : Mechanics of Advanced Materials and Structures. 23, 7, p. 784-790
Publication: Research - peer-review › Journal article – Annual report year: 2016

Exploiting Additive Manufacturing Infill in Topology Optimization for Improved Buckling Load
Publication: Research - peer-review › Journal article – Annual report year: 2016

Exploration of the Barriers to Implementing Different Types of Sustainability Approaches
Publication: Research - peer-review › Conference article – Annual report year: 2016

Exploring the dynamic and complex integration of sustainability performance measurement into product development
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Exposure to ultrafine particles, intracellular production of reactive oxygen species in leukocytes and altered levels of endothelial progenitor cells
Publication: Research - peer-review › Journal article – Annual report year: 2016

Extension of the Method of Direct Separation of Motions for Problems of Oscillating Action on Dynamical Systems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Fabrication and characterization of polycarbonate microstructured polymer optical fibers for high-temperature-resistant fiber Bragg grating strain sensors
Publication: Research - peer-review › Journal article – Annual report year: 2016
Fast Mold Temperature Evolution on Micro Features Replication Quality during Injection Molding
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Fatigue characterization of Poly Vinyl Chloride (PVC) foam core sandwich composite using the G-control method
Publication: Research - peer-review › Journal article – Annual report year: 2016

Fault diagnosis of active magnetic bearings based on Gaussian GLRT detector
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Feasibility study of injection mouldable conductive plastic for the hearing aid applications
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Finite strain analyses of deformations in polymer specimens
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Forbedring af industrielle processers energieffektivitet
Publication: Communication › Journal article – Annual report year: 2016

Fracture Toughness Characterization of Honeycomb Core Sandwich Composites in Mode - I: A Comparative Study
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Framework for measuring the sustainability performance of ecodesign implementation
Rodrigues, V. P., Pigosso, D. C. A. & McAloone, T. C. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Free-form nanostructured tools for plastic injection moulding
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Friction Compensation in the Upsetting of Cylindrical Test Specimens
Publication: Research - peer-review › Journal article – Annual report year: 2016

From mechatronic systems to cyber-physical systems: Demands for a new design methodology?
Publication: Research - peer-review › Book chapter – Annual report year: 2017
Gate Design in Injection Molding of Microfluidic Components Using Process Simulations
Publication: Research - peer-review › Journal article – Annual report year: 2016

General Friction Model Extended by the Effect of Strain Hardening
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Generalization of first-principles thermodynamic model: Application to hexagonal close-packed ε-Fe₃N
Publication: Research - peer-review › Journal article – Annual report year: 2016

Green Fiber Bottle: the fully biodegradable packaging
Didone, M. & Tosello, G. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Growth-Prediction Model for Blue Mussels (Mytilus edulis) on Future Optimally Thinned Farm-Ropes in Great Belt (Denmark)
Publication: Research - peer-review › Journal article – Annual report year: 2016

Heat exchanger selection and design analyses for metal hydride heat pump systems
Publication: Research - peer-review › Journal article – Annual report year: 2016

High accuracy and precision micro injection moulding of thermoplastic elastomers micro ring production
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

High frequency pulse anodising of magnetron sputtered Al–Zr and Al–Ti Coatings
Publication: Research - peer-review › Journal article – Annual report year: 2016

High temperature absorption compression heat pump for industrial waste heat
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

High temperature and high pressure gas cell for quantitative spectroscopic measurements
Christiansen, C., Stolberg-Rohr, T., Fateev, A. & Clausen, S. 2016 In : Journal of Quantitative Spectroscopy & Radiative Transfer. 169, p. 96-103
Publication: Research - peer-review › Journal article – Annual report year: 2016

High Temperature Corrosion on Biodust Firing
Publication: Research › Ph.D. thesis – Annual report year: 2017

High Throughput Integrated Technologies for Multimaterial Functional Micro Components (EU FP7 HINMICO 2013-2016)
Homogenization of long fiber reinforced composites including fiber bending effects

House Owners' Interests and Actions in Relation to Indoor Temperature, Air Quality and Energy Use

How to evaluate the environmental performance of Product/Service- Systems (PSS)?
Kjær, L. L., Pigosso, D. C. A. & McAloone, T. C. 2016

How to mature the abilities of companies to a successful transition to Circular Economy?
Pigosso, D. C. A. & McAloone, T. C. 2016

Hull-Propeller Interaction and Its Effect on Propeller Cavitation

Humidity Build-Up in a Typical Electronic Enclosure Exposed to Cycling Conditions and Effect on Corrosion Reliability
Conseil, H., Gudla, V. C., Jellesen, M. S. & Ambat, R. 2016 In : I E E E Transactions on Components, Packaging and Manufacturing Technology. 6, 9, p. 1379-1388

Hybrid damper with stroke amplification for damping of offshore wind turbines

Hybrid viscous damper with filtered integral force feedback control
Høgsberg, J. & Brodersen, M. L. 2016 In : Journal of Vibration and Control. 22, 6, p. 1645-1656

Hydrogen Silsesquioxane based silica glass coatings for the corrosion protection of austenitic stainless steel

HySDeP: a computational platform for on-board hydrogen storage systems – hybrid high-pressure solid-state and gaseous storage

Identification of Parameters in Active Magnetic Bearing Systems

In Situ Techniques for the Investigation of the Kinetics of Austenitization of Supermartensitic Stainless Steel
Impact of groyne fields on the littoral drift: A hybrid morphological modelling study
Publication: Research - peer-review › Journal article – Annual report year: 2016

Importance of Vanadium-Catalyzed Oxidation of SO2 to SO3 in Two-Stroke Marine Diesel Engines
Publication: Research - peer-review › Journal article – Annual report year: 2016

Improved blade element momentum theory for wind turbine aerodynamic computations
Publication: Research - peer-review › Journal article – Annual report year: 2016

Improved design bases of welded joints in seawater
Publication: Research › Ph.D. thesis – Annual report year: 2017

Improved Friction Joint With Self-Locking Grips
Publication: Research - peer-review › Journal article – Annual report year: 2016

Improved Wave-vessel Transfer Functions by Uncertainty Modelling
Publication: Research - peer-review › Journal article – Annual report year: 2016

Improvement in Surface Characteristics of Polymers for Subsequent Electroless Plating Using Liquid Assisted Laser Processing
Publication: Research - peer-review › Conference article – Annual report year: 2016

Improving accuracy of overhanging structures for selective laser melting through reliability characterization of single track formation on thick powder beds
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Improving intrinsic corrosion reliability of printed circuit board assembly
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Improving topology optimization intuition through games
Publication: Research - peer-review › Journal article – Annual report year: 2016

Indentation of pressurized viscoplastic polymer spherical shells
Tvergaard, V. & Needleman, A. 2016 In : Journal of the Mechanics and Physics of Solids. 93, p. 16–33
Publication: Research - peer-review › Journal article – Annual report year: 2016
Industrial Application of Topology Optimization for Combined Conductive and Convective Heat Transfer Problems
Publication: Research - peer-review › Journal article – Annual report year: 2016

Industrial heat pumps for high temperature process applications.: A numerical study of the ammonia-water hybrid absorption-compression heat pump
(DCAMM Special Report; No. S207).
Publication: Research › Ph.D. thesis – Annual report year: 2016

Inertial amplification of continuous structures: Large band gaps from small masses
Publication: Research - peer-review › Journal article – Annual report year: 2016

Influence of Process Temperatures on Blister Creation in Micro Film Insert Molding of a Dual Layer Membrane
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Injection molding of micro pillars on vertical side walls using polyether-ether-ketone (PEEK)
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Injection moulding and selective metallisation technologies for polymer Microsystems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

In-Situ Monitoring in Additive Manufacturing Using Contact Image Sensors
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

In-situ TEM investigation of microstructural evolution in magnetron sputtered Al-Zr and Al-Zr-Si coatings during heat treatment
Gudla, V. C., Rechendorff, K., Balogh, Z. I., Kasama, T. & Ambat, R. 2016 In : Materials & Design. 89, p. 1071-1078
Publication: Research - peer-review › Journal article – Annual report year: 2015

Integrating Product and Technology Development: A Proposed Reference Model for Dual Innovation
Publication: Research - peer-review › Conference article – Annual report year: 2016

Integration of large-scale heat pumps in the district heating systems of Greater Copenhagen
Publication: Research - peer-review › Journal article – Annual report year: 2016

Integration of phase change materials in compressed hydrogen gas systems: Modelling and parametric analysis
Integration of space heating and hot water supply in low temperature district heating
Publication: Research - peer-review › Journal article – Annual report year: 2015

Interaction of porcine gastric mucin with various polycations and its influence on the boundary lubrication properties
Publication: Research - peer-review › Journal article – Annual report year: 2015

InteraqCT Comparison on Assemblies - Final Report
Stolfi, A. & De Chiffre, L. 2016 74 p.
Publication: Research › Report – Annual report year: 2016

InteraqCT Comparison on Assemblies - Reference Measurements
Publication: Research › Report – Annual report year: 2016

InteraqCT Comparison on Assemblies - Technical Protocol
Publication: Research › Report – Annual report year: 2016

Internet of Things - Thingworks Composer 5
Christensen, G. K. 2016
Publication: Research › Sound/Visual production (digital) – Annual report year: 2016

Intragranular orientation spread induced by grain interaction
Winther, G. & Oddershede, J. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Introduction to Pinch Technology
Publication: Education › Compendium/lecture notes – Annual report year: 2016

Inverse design engineering of all-silicon polarization beam splitters
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Investigation of Different Piston Ring Curvatures on Lubricant Transport along Cylinder Liner in Large Two-Stroke Marine Diesel Engines
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Investigation of digital light processing using fibre-reinforced polymers
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Investigation of the in-solution relaxation of polymer optical fibre Bragg gratings
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016
Investigation of the Interaction between Mucins and β-Lactoglobulin under Tribological Stress
Publication: Research - peer-review › Journal article – Annual report year: 2015

Investigation on the micromilled surface characterization through replica technology
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

In Vitro Urethra Model to Characterize The Frictional Properties of Urinary Catheters
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

KCl-induced high temperature corrosion of selected commercial alloys. Part II: alumina and silica-formers
Publication: Research - peer-review › Journal article – Annual report year: 2015

Kinematic and dynamic modeling and approximate analysis of a roller chain drive
Fuglede, N. & Thomsen, J. J. 2016 In : Journal of Sound and Vibration. 366, p. 447-470
Publication: Research - peer-review › Journal article – Annual report year: 2016

Kinematics of roller chain drives - Exact and approximate analysis
Fuglede, N. & Thomsen, J. J. 2016 In : Mechanism and Machine Theory. 100, p. 17-32
Publication: Research - peer-review › Journal article – Annual report year: 2016

Laboratory Investigations of Ni-Al Coatings Exposed to Conditions Simulating Biomass Firing
Publication: Research › Article in proceedings – Annual report year: 2016

Large scale three-dimensional topology optimisation of heat sinks cooled by natural convection
Publication: Research - peer-review › Journal article – Annual report year: 2016

Lateral vibration control of a flexible overcritical rotor via an active gas bearing – Theoretical and experimental comparisons
Pierart Vásquez, F. G. & Santos, I. 2016 In : Journal of Sound and Vibration. 383, p. 20-34
Publication: Research - peer-review › Journal article – Annual report year: 2016

Length determination on industrial polymer parts from measurement performed under transient temperature conditions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Length scale and manufacturability in density-based topology optimization
Publication: Research - peer-review › Journal article – Annual report year: 2016
LES And URANS simulations of the swirling flow in a dynamic model of a uniflow-scavenged cylinder
Publication: Research - peer-review › Journal article – Annual report year: 2016

Longitudinal dispersion of heavy particles in an oscillating tunnel and application to wave boundary layers
Publication: Research - peer-review › Journal article – Annual report year: 2016

Lowering district heating temperatures – Impact to system performance in current and future Danish energy scenarios
Ommen, T., Markussen, W. B. & Elmegaard, B. 2016 In : Energy. 94, p. 273-291
Publication: Research - peer-review › Journal article – Annual report year: 2016

Low Temperature Curing of Hydrogen Silsesquioxane Surface Coatings for Corrosion Protection of Aluminum
Publication: Research - peer-review › Journal article – Annual report year: 2016

Low-Temperature Nitriding of Deformed Austenitic Stainless Steels with Various Nitrogen Contents Obtained by Prior High-Temperature Solution Nitriding
Publication: Research - peer-review › Journal article – Annual report year: 2016

Low temperature surface hardening of stainless steel; the role of plastic deformation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Macromechanical Parametric Amplification
Publication: Research › Ph.D. thesis – Annual report year: 2016

Makerspaces in Engineering Education: A Case Study
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Manufacturing of a LaNiO3 composite electrode for oxygen evolution in commercial alkaline water electrolysis
Publication: Research - peer-review › Journal article – Annual report year: 2016

Martensitbildung in Fe-basierten Legierungen während der Erwärmung von Stickstoff-Siedetemperatur
Publication: Research - peer-review › Journal article – Annual report year: 2016

Material Removal Mechanisms Analysis in the dry Electrical Discharge Machining and Possibilities for Micro-machining Applications
Puthumana, G. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016
Mathematical modelling of coupled heat and mass transport into an electronic enclosure
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Maturity-based approach for the development of environmentally sustainable product/service-systems
Publication: Research - peer-review › Journal article – Annual report year: 2016

Measurements of Cloaking Produced by an Array of Circular Cylinders
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Mechanisms and coherences of robust design methodology: a robust design process proposal
Publication: Research - peer-review › Journal article – Annual report year: 2016

MetAMMI - Metrology for additively manufactured medical implants: Task 1.1.3 "Requirements for the design and the manufacture of medical implants and guides made of polymers"
Publication: Research › Report – Annual report year: 2017

Metrology of sub-micron structured polymer surfaces
Publication: Research - peer-review › Poster – Annual report year: 2016

Metrology of sub-micron structured polymer surfaces
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Micro-buckling of periodically layered composites in regions of stress concentration
Publication: Research - peer-review › Journal article – Annual report year: 2016

Micromechanical Analyses of Debonding and Matrix Cracking in Dual-Phase Materials
Publication: Research - peer-review › Journal article – Annual report year: 2016

Microstructural Analysis of Orientation-Dependent Recovery and Recrystallization in a Modified 9Cr-1Mo Steel Deformed by Compression at a High Strain Rate
Publication: Research - peer-review › Journal article – Annual report year: 2016

Micro-Structural Evolution and Size-Effects in Plastically Deformed Single Crystals: Strain Gradient Continuum Modeling
Publication: Research › Ph.D. thesis – Annual report year: 2016

Microstructure and corrosion performance of steam-based conversion coatings produced in the presence of TiO₂ particles on aluminium alloys
Din, R. U., Gudla, V. C., Jellesen, M. S. & Ambat, R. 2016 In : Surface and Coatings Technology. 296, p. 1-12
Publication: Research - peer-review › Journal article – Annual report year: 2016
Model-Based Control Design for Flexible Rotors Supported by Active Gas Bearings - Theory & Experiment
Publication: Research › Ph.D. thesis – Annual report year: 2016

Modeling and analysis of tool electrode wear during micro-electrical discharge machining of a stainless steel using a tungsten tool
Publication: Research - peer-review › Journal article – Annual report year: 2016

Modeling and Evaluation of Bioenergy and Agriculture System Integration
Publication: Research › Ph.D. thesis – Annual report year: 2017

Modeling coupled heat and mass transfer during drying in tape casting with a simple ceramics-water system
Jabbari, M. & Hattel, J. 2016 In : Drying Technology. 34, 2, p. 244-253
Publication: Research - peer-review › Journal article – Annual report year: 2016

Modelling the effect of probe force on length measurements on polymer parts
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Modelling the effects of electrical and non-electrical parameters on the material removal and surface integrity in case of μEDM of a non-conductive ceramic material using a combined fuzzy-AOM approach
Puthumana, G. 2016 In : International Journal of Advanced Science and Technology. 95, p. 15-22
Publication: Research - peer-review › Journal article – Annual report year: 2017

Modeling the elastic behavior of ductile cast iron including anisotropy in the graphite nodules
Publication: Research - peer-review › Journal article – Annual report year: 2016

Modelling, characterisation and uncertainties of stabilised pseudoelastic shape memory alloy helical springs
Enemark, S., Santos, I. & Savi, M. A. 2016 In : Journal of Intelligent Material Systems and Structures. 27, 20, p. 2721-2743
Publication: Research - peer-review › Journal article – Annual report year: 2016

Modelling of Combustion and Pollutant Formation in a Large, Two-Stroke Marine Diesel Engine using Integrated CFD-Skeletal Chemical Mechanism
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Modelling of diesel spray flame under engine-like conditions using an accelerated eulerian stochastic fields method: A convergence study of the number of stochastic fields
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Modelling of fluid flow in tape casting of thin ceramics: Analytical approaches and numerical investigations
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016
Modelling of real area of contact between tool and workpiece in metal forming processes including the influence of subsurface deformation
Publication: Research - peer-review › Journal article – Annual report year: 2016

Modelling production system architectures in the early phases of product development
Publication: Research - peer-review › Journal article – Annual report year: 2016

Modelling the deformation of nickel foil during manufacturing of nanostructures on injection moulding tool inserts
Publication: Research - peer-review › Conference article – Annual report year: 2016

Modelling the deformations during the manufacturing of nanostructures on non-planar surfaces for injection moulding tool inserts: Paper
Publication: Research - peer-review › Journal article – Annual report year: 2016

Modelling the evolution of composition-and stress-depth profiles in austenitic stainless steels during low-temperature nitriding: Paper
Jespersen, F. N., Hattel, J. H. & Somers, M. A. J. 2016 In : Modelling and Simulation in Materials Science and Engineering. 24, 2, 32 p., 025003
Publication: Research - peer-review › Journal article – Annual report year: 2016

Modelling the flexible stamp deformations during NIL on curved surfaces
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Model Predictive Control of Offshore Power Stations With Waste Heat Recovery
Publication: Research - peer-review › Journal article – Annual report year: 2016

Moisture diffusion coefficients determination of furan bonded sands and water based foundry coatings
Publication: Research - peer-review › Journal article – Annual report year: 2016

Moisture ingress into electronics enclosures under isothermal conditions
Publication: Research - peer-review › Conference article – Annual report year: 2016

Molecular Gastronomy Meets 3D Printing: Layered Construction via Reverse Spherification
Publication: Research - peer-review › Journal article – Annual report year: 2016

Motions of deformable inclusions in a horizontally oscillating vessel with a compressible fluid
Demidov, I. V. & Sorokin, V. 2016 In : Journal of Sound and Vibration. 383, p. 324-338
Publication: Research - peer-review › Journal article – Annual report year: 2016

Moulding process characterization of paper bottles using computed tomography
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016
Publication: Research - peer-review › Journal article – Annual report year: 2016

Multiphase flow In porous media using CFD
Hemmingsen, C. S. & Walther, J. H. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Multiple Crack Growth Prediction in AA2024-T3 Friction Stir Welded Joints, Including Manufacturing Effects
Publication: Research - peer-review › Journal article – Annual report year: 2016

Multiple vortex structures in the wake of a rectangular winglet in ground effect
Vette, C. M., Hansen, M. O. L. & Okulov, V. L. 2016 In : Experimental Thermal and Fluid Science. 72, p. 31–39
Publication: Research - peer-review › Journal article – Annual report year: 2016

New strategy for testing new high nitrogen bearing steel for offshore wind turbines
Publication: Research - peer-review › Journal article – Annual report year: 2016

Non-Invasive Parameter Identification in Rotordynamics via Fluid Film Bearings: Linking Active Lubrication and Operational Modal Analysis
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Nonlinear Collapse of General Thin-Walled Cross-Sections Under Pure Bending
Couturier, P. & Krenk, S. 2016 In : A I A A Journal. 54, 12, p. 3956-3964
Publication: Research - peer-review › Journal article – Annual report year: 2016

Nonlinear dynamic behaviour of a rotor-foundation system coupled through passive magnetic bearings with magnetic anisotropy - Theory and experiment
Publication: Research - peer-review › Journal article – Annual report year: 2016

Novel Crack Stopper Concept for Lightweight Foam Cored Sandwich Structures – Experimental Validation, Fe-Modelling and Potential for Use in Structures
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Numerical and experimental study of pulse-jet cleaning in fabric filters
Publication: Research - peer-review › Journal article – Annual report year: 2016

Numerical investigation of friction joint between Basalt Fiber Reinforced Composites and aluminum
Publication: Research - peer-review › Journal article – Annual report year: 2016

Numerical investigation of soot formation and oxidation processes under large two-stroke marine diesel engine-like conditions using integrated CFD-chemical kinetics
Publication: Research - peer-review › Journal article – Annual report year: 2016
Numerical Modelling of Drawbeads for Forming of Aluminium Alloys
Publication: Research - peer-review › Conference article – Annual report year: 2016

Numerical modelling of evaporation in a ceramic layer in the tape casting process
Publication: Research - peer-review › Conference article – Annual report year: 2016

Numerical modelling of the flow in the resin infusion process on the REV scale: A feasibility study
Publication: Research - peer-review › Conference article – Annual report year: 2016

Numerical Simulation of Condensation of Sulfuric Acid and Water in a Large Two-stroke Marine Diesel Engine
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Numerical simulation of transient moisture and temperature distribution in polycarbonate and aluminum electronic enclosures
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Numerical Simulation of Transient Moisture Transfer into an Electronic Enclosure
Publication: Research - peer-review › Conference article – Annual report year: 2016

Numerical simulation of tsunami-scale wave boundary layers
Williams, I. A. & Fuhrman, D. R. 2016 In : Coastal Engineering. 110, p. 17-31
Publication: Research - peer-review › Journal article – Annual report year: 2016

Numerical simulations of concrete flow: A benchmark comparison
Publication: Research - peer-review › Journal article – Annual report year: 2016

Nuovi orizzonti sulle trasformazioni di fase a bassa temperatura negli acciai
Villa, M. 2016
Publication: Research - peer-review › Paper – Annual report year: 2017

Objectives comparison in a confocal microscope using pseudo-random roughness artefacts
Quagliotti, D., Tosello, G. & Hansen, H. N. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

On Bifurcation Sensitivities and Stability Optimization Based on Local Sub-Domain Eigenvalues
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016
On Coulomb and Viscosity damped single-degree-of-freedom vibrating systems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

On fracture in finite strain gradient plasticity
Publication: Research - peer-review › Journal article – Annual report year: 2016

On modeling micro-structural evolution using a higher order strain gradient continuum theory
Publication: Research - peer-review › Journal article – Annual report year: 2015

On nanostructured silicon success
Sigmund, O., Jensen, J. S. & Frandsen, L. H. 2016 In : Nature Photonics. 10, 3, p. 142-143
Publication: Research - peer-review › Letter – Annual report year: 2016

On nonlinear wave-structure interaction using an immersed boundary method in 2D
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

On optimization of interference fit assembly
Pedersen, N. L. 2016 In : Structural and Multidisciplinary Optimization. 54, 2, p. 349-359
Publication: Research - peer-review › Journal article – Annual report year: 2016

On the Carbon Solubility in Expanded Austenite and Formation of Hägg Carbide in AISI 316 Stainless Steel
Publication: Research - peer-review › Journal article – Annual report year: 2016

On the implementation and effectiveness of morphological close-open and open-close filters for topology optimization
Schevenels, M. & Sigmund, O. 2016 In : Structural and Multidisciplinary Optimization. 54, 1, p. 15–21
Publication: Research - peer-review › Journal article – Annual report year: 2016

On the isotropic elastic constants of graphite nodules in ductile cast iron: Analytical and numerical micromechanical investigations
Publication: Research - peer-review › Journal article – Annual report year: 2016

Projects:

Multiscale topology optimization strategies including local and global stability
Andersen, M. N., Sigmund, O., Aage, N. & Wang, F.
01/04/2018 → 31/03/2021
Project: PhD

Developing high performance and climatically reliable Hearing Aids
Yadav, A., Ambat, R., Espersen, C. & Jellesen, M. S.
01/03/2018 → 28/02/2021
Project: PhD

Developing robust concepts for highly integrated products
Sigurdarson, N. S., Howard, T. J., Christensen, M. E. & Eifler, T.
01/03/2018 → 28/02/2021
Project: PhD
Microchannel two-phase flow cooling of power modules
Criscuolo, G., Markussen, W. B., Kærn, M. R. & Palm, B.
15/02/2018 → 14/02/2021
Project: PhD

Additive Manufacturing for marine propulsion systems
Dahmen, T., Hattel, J. H., Lund, C. R. & Pedersen, D. B.
01/02/2018 → 31/01/2021
Project: PhD

Advanced Damage Models with Intrinsic Size Effects
Holte, I., Niordson, C. F., Nielsen, K. L. & Winther, G.
01/02/2018 → 31/01/2021
Project: PhD

Advanced Damage Models with Intrinsic Size Effects
Holte, I., Niordson, C. F., Nielsen, K. L. & Winther, G.
01/02/2018 → 31/01/2021
Project: PhD

PhD scholarship in CFD Analysis of the Impact of the Scale Build-Up on the Liquid Flow in the Wells used for Oil & Gas Production
Bentzon, J. R., Walther, J. H. & Feilberg, K. L.
01/02/2018 → 31/01/2021
Project: PhD

Quantitative Modular Maintenance Principles
Sigsgaard, K. V., Mortensen, N. H. & Hvam, L.
01/02/2018 → 31/01/2021
Project: PhD

Structure Optimization of 3D printed metal through heat and surface treatment
Valente, E. H., Somers, M. A. J., Christiansen, T. L. & Pedersen, D. B.
01/02/2018 → 31/01/2021
Project: PhD

Thermodynamics and kinetics of mixed interstitial phases in the titanium systems; modelling and synthesis
Kværndrup, F. B., Christiansen, T. L. & Dahl, K. V.
01/02/2018 → 31/01/2021
Project: PhD

Thermochemical treatment of titanium and titanium alloys;
Meng, Y., Christiansen, T. L., Dahl, K. V. & Villa, M.
15/01/2018 → 14/01/2021
Project: PhD

Biomimetic artificial anterior chamber model for corneal transplantations
Svendsen, N. W., Lenau, T. A. & Nunez, J. F. C.
01/01/2018 → 31/12/2020
Project: PhD

Data Driven Analysis of Plant Operation
Bertram, C. A., Mortensen, N. H. & Hvam, L.
01/01/2018 → 31/12/2020
Project: PhD
Data Driven Plant Reconfiguration
Lundgaard, R., Mortensen, N. H. & Hvam, L.
01/01/2018 → 31/12/2020
Project: PhD

Developing Product Architectures in Collaboration with Key-Customers
Askhøj, C., Mortensen, N. H. & Hvam, L.
01/01/2018 → 31/12/2020
Project: PhD

Development of Process Integration Methodologies for Systematic Implementation in non-Energy Intensive Industries
Bergamini, R., Elmegaard, B. & Nguyen, T.
01/01/2018 → 31/12/2020
Project: PhD

Implementation of electrochemical impedance spectroscopy (EIS) for validation of humidity robustness of PCBA design elements
Lauser, S., Ambat, R., Eckold, P. & Verdingovas, V.
01/01/2018 → 31/12/2020
Project: PhD

Photopolymerization based Additive Manufacturing Process Chains
Mendez Ribo, M., Pedersen, D. B. & Islam, A.
01/01/2018 → 31/12/2020
Project: PhD

Solder flux chemistry and climatic reliability of electronics: optimization of flux chemistry for robust performance
Li, F., Ambat, R. & Jellesen, M. S.
01/01/2018 → 31/12/2020
Project: PhD

Surface engineering of aluminium alloys for prosthetics
Andersen, A. G., Møller, P., Hansen, J., Jørgensen, R. S., Nielsen, L. P. & Olafsson, S.
01/01/2018 → 31/12/2020
Project: PhD

Ship propulsion in waves
Saettone, S., Andersen, P. & Steen, S.
01/12/2017 → 30/11/2020
Project: PhD

Sustainability Impact Assessment for Circular Economy
Kravchenko, M., McAloone, T. C., Pigosso, D. C. A., Hauschild, M. Z. & Hildenbrand, J.
01/12/2017 → 30/11/2020
Project: PhD

Shape and Topology Optimization of Aeroelastic Systems
Conlan-Smith, C. J., Andreasen, C. S., Ramos García, N. & Sigmund, O.
15/11/2017 → 14/11/2020
Project: PhD

Villum Center for Advanced Structural and Material Testing
07/11/2017 → …
Project

Multi-axial fatigue damage laws for composite materials at the macro-scale
Moncy, A., Berggreen, C., Branner, K., Stang, H. & Sørensen, B. F.
01/11/2017 → 31/10/2020
Project: PhD

Gaseous surface hardening and heat treatment of martensitic stainless steel
Tibollo, C., Somers, M. A. J., Barrallier, L., Christiansen, T. L. & Michel, G.
01/10/2017 → 30/09/2020
Project: PhD

Modelling the thermo-metallurgical-mechanical conditions in precision additive metal manufacturing
Bayat, M., Hattel, J. H., Mohanty, S., Thorborg, J. & Tiedje, N. S.
01/10/2017 → 30/09/2020
Project: PhD

Developing Modular Product and Process Architectures in Engineer to Order (ETO) Companies
Christensen, C. K. F., Mortensen, N. H. & Hvam, L.
15/09/2017 → 14/09/2020
Project: PhD

Extension of a Fast Potential Flow Solver to Fully-Nonlinear Wave Loading on Offshore Structures
Hicks, J. B. H., Bingham, H. B., Engsig-Karup, A. P., Lindberg, O. & Read, R.
15/09/2017 → 14/09/2020
Project: PhD

Integrating Micro and Nano structures on Steel Surfaces - Process Chain Implementation and Validation
Loaldi, D., Tosello, G., Calaon, M. & Zhang, Y.
15/09/2017 → 14/09/2020
Project: PhD

Topology optimization for transient problems
Kristiansen, H., Aage, N., Poulios, K. & Sigmund, O.
15/09/2017 → 14/09/2020
Project: PhD

Viscoelastic Simulation and Optimization of Filament based 3D Printing
Serdeczny, M. P., Spangenberg, J. & Pedersen, D. B.
15/09/2017 → 14/09/2020
Project: PhD

Experimental and numerical investigation of friction, power loss and lubricant transport between a piston ring and cylinder liner in a heavy duty diesel engine.
Overgaard, H. T., Klit, P. & Vølund, A.
11/09/2017 → …
Project

Biofuel production based on Integrated Systems combining Biomass Gasification and Solid Oxide Cells
Butera, G., Clausen, L. R., Ahrenfeldt, J. & Jensen, S. H.
Fully-nonlinear Wave Interaction with Moored Floating marine Structures
Xu, Y., Bingham, H. B. & Shao, Y.
01/09/2017 → 31/08/2020
Project: PhD

Numerical modelling of heat treatment and post processing of additive manufactured metal parts
De Baere, D., Hattel, J. H., Mohanty, S., Thorborg, J. & Tiedje, N. S.
01/09/2017 → 31/08/2020
Project: PhD

Numerical Modelling of Material Flow in the Resin Infusion Pultrusion Process
Sandberg, M., Spangenberg, J., Baran, I. & Hattel, J. H.
15/08/2017 → 14/08/2020
Project: PhD

How to improve the utilization of a Configuration Lifecycle Management (CLM) system
Myrodia, A., Hvam, L. & Randrup, T.
14/08/2017 → 14/02/2020
Project: PhD

Designing Sustainable Circular Business Models on Product/Service-Systems
de Pádua Pieroni, M., Pigosso, D. C. A., Hildenbrand, J. & McAloone, T. C.
15/06/2017 → 14/06/2020
Project: PhD

Design of innovative low-cost expanders for organic Rankine cycle power systems
Geiselhart, M., Haglind, F., Almdal, K., Lenau, T. A. & Schiffmann, J. A.
01/06/2017 → 31/05/2020
Project: PhD

Powder Technologies for Additive Manufacturing
Andersen, S. A., Hansen, H. N. & Pedersen, D. B.
01/06/2017 → 31/05/2020
Project: PhD

Industry 4.0 Digital Technologies For High Added Value Zero Defect Manufacturing
Charalambis, A., Tosello, G., Calaon, M., Hansen, H. N. & Pedersen, D. B.
01/05/2017 → 14/12/2017
Project: PhD

Fracture of Fiber Composites under Transient Loading
Pérez, I. V., Berggreen, C., Eriksen, R. N. W., Kepler, J. A., Riisgaard, B. & Toftegaard, H. L.
15/04/2017 → 14/04/2020
Project: PhD

Integrated processchains based on additive manufacturing precision processes and technologies for production of high accuracy mould components
Moshiri, M., Tosello, G., Hansen, H. N., Hardar, R. & Høvsgaard, P.
01/04/2017 → 31/03/2020
Project: PhD

Numerical Modelling and Experimental Characterization of the Resin Injection Pultrusion Process
Vibrations for Estimating Bolted Joint Integrity (VEBJI)
Brøns, M., Thomsen, J. J., Fidlin, A. & Tcherniak, D.
01/04/2017 → 31/03/2020
Project: PhD

Nanofluids as working fluids for organic Rankine cycles
Montagud, M. E. M. & Haglind, F.
01/03/2017 → 01/03/2019
Project

Measurement of lubricant film thicknesses by laser induced fluorescence
Overgaard, H. T., Klit, P. & Vølund, A.
01/03/2017 → ...
Project

Damage Tolerance of Sandwich Structures in Naval Operating in Arctic Regions Vessels
Sabbadin, P., Berggreen, C., Hayman, B. & Legarth, B. N.
01/03/2017 → 29/02/2020
Project: PhD

Rheology of matrix and concrete with crushed aggregates
Skare, E. L., Spangenberg, J., Jacobsen, S. & Mørtsell, E.
01/03/2017 → 29/02/2020
Project: PhD

Surface Engineering of Bulk Metallic Glasses
Haratian, S., Somers, M. A. J. & Christiansen, T. L.
01/03/2017 → 29/02/2020
Project: PhD

Waste heat recovery on liquefied natural gas-fuelled ships
Baldasso, E., Haglind, F., Larsen, U. & Montagud, M. E. M.
01/03/2017 → 29/02/2020
Project: PhD

Developing High Performance Aluminium Tube Alloys for heat exchange Applications
Zaffaroni, G. G. B., Ambat, R., Gudla, V. C., Nordlien, J. H. & Sørensen, J. S.
01/02/2017 → 31/01/2020
Project: PhD

Investigation of oil production well corrosion issues and prevention
Rizzo, R., Ambat, R., Fosbøl, P. L. & Thomsen, K.
01/02/2017 → 31/01/2020
Project: PhD

Transient Optimization of Acoustic-Mechanical Interaction Problems
Dilgen, C. B., Aage, N. & Jensen, J. S.
01/02/2017 → 31/01/2020
Project: PhD

Advancing Numerical Analysis of Large Scale Crack Propagation in Plate Structures
Andersen, R. G., Nielsen, K. L. & Niordson, C. F.
01/01/2017 → 31/12/2019
Applying modular architecture and LEAN thinking to well head platforms
Hilstrøm, K. W., Mortensen, N. H. & Bek-Pedersen, E.
01/01/2017 → 10/01/2017
Project: PhD

From Passive to Controllable Gas Foil Bearings - Modelling & Control Design
von Osmanski, A. S., Santos, I. & Larsen, J. S.
01/01/2017 → 31/12/2019
Project: PhD

Surface engineering of Fe-C coatings
Nielsen, J. O., Pantleon, K. & Møller, P.
01/01/2017 → 31/12/2019
Project: PhD

Stability of Tungsten Plates during High Temperatures
Ciucani, U. M., Pantleon, W. & Luo, G.
01/12/2016 → 30/11/2019
Project: PhD

Modelling of Hydraulic Fracturing
Lynggaard, J., Niordson, C. F., Andreasen, C. S. & Jørgensen, O.
15/10/2016 → 14/10/2019
Project: PhD

Modeling of Large-Scale Electricity Storage Systems based on Pressurized Reversible Solid Oxide Cells
Butera, G., Clausen, L. R., Jensen, S. H. & Campanari, S.
01/10/2016 → 28/02/2017
Project: PhD

Development and Validation of Mechanical Micro Polishing of 3D and Free Form Geometries for Application to Micro Forging Dies
Ben Achour, S., Bissacco, G. & De Chiffre, L.
01/10/2016 → 30/09/2019
Project: PhD

End-to-end configuration
Rasmussen, J. B., Mortensen, N. H. & Hvam, L.
01/10/2016 → 30/09/2019
Project: PhD

Heat Pump Integration in the Greater Copenhagen District Heating System
Jørgensen, P. H., Elmegaard, B., Markussen, W. B. & Ommen, T. S.
01/10/2016 → 30/09/2019
Project: PhD

Heat pump solutions for integration with district heating in a renewable energy system
Meesenburg, W., Elmegaard, B., Markussen, W. B. & Ommen, T. S.
01/10/2016 → 30/09/2019
Project: PhD

Resonant Piezoelectric Shunt Damping of Structures
Toftekær, J. F., Høgsberg, J. B., Benjeddou, A. & Krenk, S.
01/10/2016 → 30/09/2019
Electrocatalytic Materials
Villadsen, S. N. B., Møller, P. & Nielsen, L. P.
15/09/2016 → 14/09/2019
Project: PhD

Damping of Torsional Beam Vibrations
Hoffmeyer, D., Høgsberg, J. B. & Krenk, S.
01/09/2016 → 31/08/2019
Project: PhD

Process chains to manufacture micro structures on 3D surfaces by replication
Li, D., Zhang, Y., Bissacco, G., Tang, P. T. & Tosello, G.
01/09/2016 → 31/08/2019
Project: PhD

Production of Synthetic Fuels
Warm, C., Møller, P. & Nielsen, L. P.
01/09/2016 → 31/07/2017
Project: PhD

Experimental and Numerical studies of water flow in choanocytes and choanoflagellates
Asadzadeh, S. S., Walther, J. H. & Meyer, K. E.
01/08/2016 → 31/07/2019
Project: PhD

Experimental and Numerical studies of water flow in choanocytes and choanoflagellates
Asadzadeh, S. S., Walther, J. H. & Meyer, K. E.
01/08/2016 → 31/07/2019
Project: PhD

Process technologies for functional anisotropic surfaces generation in Quick Response Code applications
Regi, F., Zhang, Y. & Tosello, G.
01/08/2016 → 31/07/2019
Project: PhD

Micro scale metal plasticity: fundamentals and applications
Martínez Pañeda, E.
01/07/2016 → 30/06/2018
Project

Characterizing Porous Tool Materials for Impulse Drying Technology
Stolfi, A.
01/06/2016 → 01/07/2017
Project

Metrology for Additively Manufactured Medical Implants
Stolfi, A. & De Chiffre, L.
01/06/2016 → 31/05/2019
Project

Aerodynamic Stability of Long Span Bridges
Møller, R. N., Krenk, S., Pedersen, C. & Svendsen, M. N.
01/06/2016 → 31/05/2019
Project: PhD
Cutting Force Modelling and Error Compensation in Large Structure Machining
Checchi, A., Bissacco, G. & Hansen, H. N.
01/06/2016 → 31/05/2019
Project: PhD

Improving endurance of wind-turbine coatings for use in offshore environments
Johansen, N. F., Møller, P. & Bech, J. I.
01/06/2016 → 31/05/2019
Project: PhD

CoolPower
Haglind, F. & Baldasso, E.
05/05/2016 → 04/05/2017
Project

Lubricant Transport across the Piston Ring with Flat and Triangular Lubrication Injection Profiles on the Liner in Large Two-Stroke Marine Diesel Engines.
Overgaard, H. T., Klit, P. & Vølund, A.
02/05/2016 → 07/06/2017
Project

High precision tooling for heat assisted micro forging
Cannella, E., Nielsen, C. V., Bay, N. O. & Rasmussen, A. A.
01/05/2016 → 30/04/2019
Project: PhD

Integrated micro product/process quality assurance in micro injection moulding production
Baruffi, F., Tosello, G. & Calaon, M.
01/05/2016 → 30/04/2019
Project: PhD

Optimal integration of district heating, district cooling, heat sources and heat sinks
Pieper, H., Markussen, W. B., Elmgaard, B. & Ommen, T. S.
01/05/2016 → 04/06/2019
Project: PhD

Biomass Corrosion Management
Malede, Y. C., Hald, J., Dahl, K. V. & Montgomery, M.
01/03/2016 → 28/02/2019
Project: PhD

Reconfigurable Modular Robotic System for Aquatic Environment
Galeazzi, R., Christensen, D. J., Mariani, P., Visser, A., Özkil, A. G. & Nielsen, U. D.
01/02/2016 → 31/01/2018
Project

Understanding and Implementing Design for Biodegradability
Meijer, E. B. & McAloone, T. C.
01/02/2016 → 17/06/2016
Project

Application of Architectures in SME's
Rask, L. C., Mortensen, N. H., Hvam, L. & Vestergaard, J.
01/02/2016 → 01/08/2019
Project: PhD
Limits of lubrication in severe stamping operations
Moghadam, M., Nielsen, C. V., Bay, N. O., Christiansen, P. & Møller, P.
01/02/2016 → 03/04/2019
Project: PhD

Micropropportioning with crushed sand: experiment and simulations of fine particles effect on rheology
Ramenskiy, E., Jacobsen, S., Hattel, J. H. & Spangenberg, J.
01/02/2016 → 17/11/2016
Project: PhD

Experimental analysis of heat transfer and pressure drop using zeotropic mixtures in plate heat exchangers for low-grade heat to power conversion
Haglind, F. & Zhang, J.
01/01/2016 → 31/12/2018
Project

Additive Manufacturing of Fibre-Reinforced Polymers
Hofstätter, T., Tosello, G., Hansen, H. N. & Tosello, G.
01/01/2016 → 27/09/2019
Project: PhD

Developing High Frequency Pulse Anodizing Methods for Decorative Aluminium
Jensen, F., Ambat, R., Gudla, V. C. & Kongstad, I.
01/01/2016 → 31/12/2018
Project: PhD

Investigation of Different Piston Ring Curvatures on Lubricant Transport along Cylinder Liner in Large Two-Stroke Marine Diesel Engines
Overgaard, H. T., Klit, P. & Vølund, A.
01/01/2016 → 30/09/2016
Project

Investigation of material combinations for gold free electrical contact systems
Jensen, P. J. B., Ambat, R., Gudla, V. C. & Jellesen, M. S.
01/01/2016 → 28/02/2018
Project: PhD

Multiscale design methods for Topology Optimization
Groen, J. P., Sigmund, O., Aage, N. & Lazarov, B. S.
01/01/2016 → 31/12/2018
Project: PhD

Precision Injection Moulding of Micro Features using Integrated Process/Product Quality Assurance
Giannekas, N., Tosello, G., Hansen, H. N. & Zhang, Y.
01/01/2016 → 31/12/2018
Project: PhD

Sulphuric Acid Corrosion in Large 2-Stroke Diesel Engines
Kjemtrup, L., Schramm, J., Cordtz, R. F. & Ivarsson, A.
01/01/2016 → 31/12/2018
Project: PhD

Early application of tolerance design
Bjarklev, K., Mortensen, N. H. & Eifler, T.
15/12/2015 → 14/12/2018
Heat transfer equipment for utilization of low temperature heat sources
Mancini, R., Elmegaard, B., Haglind, F. & Markussen, W. B.
01/12/2015 → 30/11/2018
Project: PhD

Design and modelling of concentrated solar power plants focusing on dynamic performances
Haglind, F. & Ferruzza, D.
01/11/2015 → 31/10/2018
Project

Alloy development for martensitic High Cr steels
Fedorova, I. & Hald, J.
01/11/2015 → 31/10/2018
Project: PhD

Design and modelling of boilers for concentrated solar power plants
Ferruzza, D., Haglind, F., Kærn, M. R. & Laumert, B.
01/11/2015 → 31/10/2018
Project: PhD

Experimental and Numerical Characterization of Nano-filled Polymers for Thin-Walled Micro Component
Doagou Rad, S., Islam, A. & Jensen, J. S.
01/11/2015 → 31/10/2018
Project: PhD

High-performance heat pump cycles for low temperature heat sources
Zühlsdorf, B., Elmegaard, B., Haglind, F. & Markussen, W. B.
01/11/2015 → 31/10/2018
Project: PhD

Topology Optimization of Transient Heat Transfer Problems
Zeidan, S., Sigmund, O., Engelbrecht, K. & Lazarov, B. S.
01/11/2015 → 30/04/2017
Project: PhD

MICROMAN, Process Fingerprint for Zero-defect NET-shape
01/10/2015 → 30/09/2019
Project

Heat transfer in swirling flow
Binti Haminudin, N. F. & Meyer, K. E.
01/10/2015 → 30/09/2019
Project: PhD

Interaction of stress and phase transformations during thermochemical surface engineering
Küçükylidil, Ö. C., Hattel, J. H., Somers, M. A. J. & Thorborg, J.
01/10/2015 → 30/09/2018
Project: PhD

Organic Rankine cycle unit for waste heat recovery on ships
Haglind, F., Montagud, M. E. M. & Andreasen, J. G.
01/09/2015 → 28/02/2017
Project
Numerical and experimental work of a small-scale organic Rankine cycle unit
Haglind, F. & Baldasso, E.
01/09/2015 → 28/02/2017
Project

Bonding processes for large wind turbine blades - numerical modelling and experimental verification
01/09/2015 → 31/03/2017
Project: PhD

Diesel Engine Tribology
Overgaard, H. T., Klit, P. & Vølund, A.
01/09/2015 → 15/09/2018
Project: PhD

Extreme wave interaction and wave loads on offshore wind turbine structures
Vested, M. H., Christensen, E. D., Carstensen, S. & Dixen, M.
01/09/2015 → 21/08/2019
Project: PhD

Flow in SCR systems
Gotfredsen, E. & Meyer, K. E.
01/09/2015 → 31/08/2018
Project: PhD

New production paradigms for wind turbines
01/09/2015 → 31/08/2018
Project: PhD

Steady-State Modeling of Engineering Processes
Juul, K. J., Nielsen, K. L. & Niordson, C. F.
01/09/2015 → 31/08/2018
Project: PhD

Moulding Process Development with Impulse Drying
Didone, M., Tosello, G. & Howard, T. J.
01/08/2015 → 31/01/2019
Project: PhD

Tooling for green fibre moulding
Saxena, P., Bissacco, G. & Howard, T. J.
01/08/2015 → 31/07/2018
Project: PhD

Using Integrated Sustainable Product Development for the development of a Green Fibre Bottle for Carlsberg
01/08/2015 → 31/07/2018
Project: PhD

Disbond Damages in Aircraft Honeycomb Sandwich Structures
Farshidi, A., Berggreen, C., Carlsson, L. A. & Hilgers, R.
15/07/2015 → 14/07/2018
Project: PhD
Investigating New Design Paradigms in Agile Product Development and Rapid Prototyping
Jensen, L. S., Özkił, A. G. & Mortensen, N. H.
15/07/2015 → 14/07/2018
Project: PhD

Reduction of methane emissions from LNG fuelled diesel engines
Jespersen, M. C., Ivarsson, A. & Schramm, J.
01/07/2015 → 30/09/2018
Project: PhD

Improving the wear- and corrosion resistance of high-performance stainless steel by interstitial alloying
Elmegaard-Fessel, N., Somers, M. A. J., Christiansen, T. L. & Jellesen, M. S.
15/06/2015 → 30/09/2016
Project: PhD

State-of-the-art laser Doppler systems development for turbulence measurements
Yaacob, M. R., Velte, C. M., Buchhave, P. & Meyer, K. E.
15/06/2015 → 14/06/2018
Project: PhD

State-of-the-art laser Doppler systems development for turbulence measurements
Yaacob, M. R., Velte, C. M., Meyer, K. E. & Buchhave, P.
01/06/2015 → 31/05/2018
Project

Numerical Simulation of the Hydrodynamic Behaviour of the Lubricant Oil Film in Large Two-stoke Marine Diesel Engines
Karvounis, N., Walther, J. H. & Vølund, A.
01/06/2015 → 31/05/2018
Project: PhD

Phase transformations in supermartensitic stainless steels
Nießen, F., Somers, M. A. J. & Hald, J.
01/06/2015 → 31/05/2018
Project: PhD

Structural reorganization during cyclic deformation
Diederichs, A. M., Pantleon, W. & Poulsen, H. F.
01/06/2015 → 31/05/2018
Project: PhD

Design and Optimization of Active Magnetic Bearings (AMB) for Offshore Flywheel Energy Storage System (FESS)
Dagnæs-Hansen, N. A., Santos, I., Hoffner, J. & Zamany, J.
01/05/2015 → 30/04/2018
Project: PhD

Experimental and theoretical investigations of turbulent axi-symmetric jets
Hodzic, A., Velte, C. M., Meyer, K. E. & George, W. K.
15/04/2015 → 14/04/2018
Project

Dynamic Propeller Shaft Speed Control
Galeazzi, R. & Andersen, P.
01/04/2015 → 01/05/2017
Project
EnergyLab Nordhavn - New Urban Energy Infrastructures
01/04/2015 → 31/03/2019
Project

Experimental and theoretical investigations of turbulent axi-symmetric jets
Hodzic, A., Velte, C. M., George, W. K. & Meyer, K. E.
01/04/2015 → 31/07/2018
Project: PhD

Topology Optimization of Thermoelectric Generators
Lundgaard, C., Sigmund, O., Engelbrecht, K. & Lazarov, B. S.
01/04/2015 → 31/05/2018
Project: PhD

Two and Three Dimensional Modelling of Bridge Aerodynamics
Spietz, H. J. & Walther, J. H.
01/04/2015 → 30/06/2018
Project: PhD

Intelligent Quality Assessment of Railway Switches and Crossings
01/03/2015 → 28/02/2019
Project

Development of Improved Cavitation and Noise Radiation Prediction Methods for Marine Propellers
Mirsadraee, Y., Andersen, P., Schöön, J. & Walther, J. H.
01/03/2015 → 31/03/2018
Project: PhD

Intelligent Quality Assessment of Railway Switches and Crossings (INTELLISWITCH)
Thyregod, C., Erbsell, B. K. & Juul Jensen, D.
01/03/2015 → 31/12/2019
Project

Limits of lubrication in deep drawing production
01/03/2015 → 30/09/2018
Project: PhD

Limits of librication in severe stamping operations
Zahrani, E. G. & Bay, N. O.
15/02/2015 → 30/09/2015
Project: PhD

Building a business case for ecodesign implementation based on a system dynamics simulation model
Rodrigues, V. P., McAloone, T. C. & Pigosso, D. C. A.
01/02/2015 → 31/07/2018
Project: PhD

Development of new decorative nickel and chromium like coating systems with better chemical and physical properties
Reveko, V. & Møller, P.
Damping of overhead transmission line systems
Kliem, M., Høgsberg, J. B. & Berggreen, C.
15/01/2015 → 31/03/2018
Project: PhD

Humidity control inside electronic enclosures: Developing design principles based on empirical understanding
Joshy, S., Ambat, R. & Jellesen, M. S.
15/01/2015 → 14/07/2018
Project: PhD

Quantified Robust Design: Measurement of sensitivity, variance and impact
Boorla, S. M., Howard, T. J., Eifler, T., De Chiffre, L., Söderberg, R. & Thornton, A.
15/01/2015 → 14/01/2018
Project: PhD

Exhaust Gas Valve for High Temperatures
Hattel, J. H. & Sonne, M. R.
01/01/2015 → 31/12/2017
Project

Advanced Thermodynamic Methods for Utilization of Industrial Energy Saving Potentials
Bühler, F., Elmegaard, B. & Nguyen, T.
15/12/2014 → 08/03/2018
Project: PhD

Coatings for Biomass firing
Wu, D., Hald, J., Christiansen, T. L., Dahl, K. V., Jappe Frandsen, F., Hansson, A. N. & Tuurna, S. M.
15/12/2014 → 29/03/2018
Project: PhD

Cyclic Yielding of Tubular Structures
15/12/2014 → 14/01/2018
Project: PhD

AC-Corrosion of Cathodically Protected Pipelines
Junker-Holst, A., Møller, P. & Nielsen, L. V.
01/12/2014 → 24/10/2018
Project: PhD

Design and modelling of expander and compression machines for thermodynamic cycles utilizing low-temperature heat sources
Meroni, A., Haglind, F., Elmegaard, B., Persico, G. & Pierobon, L.
01/12/2014 → 01/06/2018
Project: PhD

Topology optimization of thermal heat sinks
Engelbrecht, K., Haertel, J. H. K., Sigmund, O. & Lazarov, B. S.
01/11/2014 → 31/10/2017
Project

Measuring Surf-Zone Wave Conditions and other Coastal Processes
Hansen, A. B., Carstensen, S., Drønen, N. K. & Drønen, N. K.
Modelling Climatic Reliability of Electronic Devices
Shojaee Nasirabadi, P., Hattel, J. H., Mohanty, S., Spangenberg, J., Punch, J. & Wilcoxon, R.
01/11/2014 → 31/10/2017
Project: PhD

Optimization of Industrial Energy Efficient Heat Pumps
Christensen, S. W., Elmegaard, B. & Markussen, W. B.
01/11/2014 → 31/10/2017
Project: PhD

Process chains for advanced tooling based on additive manufacturing
Biondani, F. G., Bissacco, G., Hansen, H. N., De Chiffre, L., Beaucamp, A. & Lauwers, B.
01/11/2014 → 06/03/2018
Project: PhD

Tsunami-Seabed Interaction
Eltard-Larsen, B., Fuhrman, D. R., Christensen, E. D., Hjelmager Jensen, J. & Sumer, B. M.
01/11/2014 → 20/04/2018
Project: PhD

Development and testing of tailored surfaces for sheet metal forming
Sulaiman, M. H. B., Nielsen, C. V., Bay, N. O., Christiansen, P., De Chiffre, L., Ceron, E. & Dubar, L.
15/10/2014 → 07/12/2017
Project: PhD

Climatic Reliability of Electronic Devices
Piotrowska, K., Ambat, R. & Jellesen, M. S.
01/10/2014 → 30/09/2017
Project:

CFD analyses of flow and scour around a mono-pile with and without scour protection
Mandviwalla, X., Christensen, E. D. & Carstensen, S.
01/10/2014 → 01/07/2018
Project: PhD

Fracture Characterization and Analysis in Curved Sandwich Structures
01/10/2014 → 30/12/2017
Project: PhD

Modeling for Dynamic Length Metrology in Accurate Manufacture
01/10/2014 → 31/12/2017
Project: PhD

Quartz Coated Metals for Hygienic applications in Food, Pharma and Medical Industry
Lampert, F., Møller, P., Rasmussen, J. B., Minzari, D., Nielsen, L. P. & Taylor, S. R.
01/10/2014 → 11/01/2018
Project: PhD

Water film formation on PCBA surface under humidity: Investigation of electrochemical and electrical aspects leading to corrosion failures
Piotrowska, K., Ambat, R. & Jellesen, M. S.
Improvement of heat transfer processes in power cycles utilizing low grade heat
Andreasen, J. G., Haglind, F., Elmegaard, B. & Kærn, M. R.
01/09/2014 → 13/11/2018
Project: PhD

Optimizing Oil Production by Novel Technology Integration - Well flow modeling
Hemmingsen, C. S., Walther, J. H. & Nielsen, K. K.
01/09/2014 → 14/07/2018
Project: PhD

Sensoring for dynamic length metrology in accurate manufacture
01/09/2014 → 11/01/2018
Project: PhD

Topology Optimization and Lattice Boltzmann Methods
Nørgaard, S. A., Sigmund, O., Engelbrecht, K., Lazarov, B. S., Fuhrman, D. R., Evgrafov, A. & Stingl, M. W.
01/09/2014 → 01/02/2018
Project: PhD

Development of a decision support system for ships based on continuous measurements
Choi, J. H., Nielsen, U. D., Andersen, I. M. V. & Jensen, J. J.
01/08/2014 → 30/07/2018
Project: PhD

Micro Assembly Injection Moulding of Multi-Material Micro Mechanical Systems
Hasnæs, F. B., Tosello, G., Elsborg, R. & Hansen, H. N.
01/08/2014 → 31/05/2015
Project: PhD

Nonlinear Dynamics of Controllable Backup Bearings - Theory & Experiment
01/08/2014 → 01/02/2018
Project: PhD

Reducing time-to-market by means of modular platforms
Løkkegaard, M., Mortensen, N. H., Hvam, L., Hildre, H. P., Bysted, T. & Malmqvist, J.
01/08/2014 → 06/03/2018
Project: PhD

Design and Optimization of Active Feedback Control for Flexible Rotor-Blade Systems
de Souza Rebouças, G. F., Santos, I., Schilder, F., Starke, J. & Thomsen, J. J.
15/07/2014 → 30/06/2018
Project: PhD

SteelWind
Winther, G. & Grumsen, F. B.
01/07/2014 → 31/12/2017
Development of natural seabed forms and their interaction with OWF
Margalit, J., Fuhrman, D. R., Christensen, E. D., Holmedal, L. E. & Roulund, A.
01/07/2014 → 31/12/2017
Project: PhD

Martensitic Transformation in Metastable Austenitic Stainless Steel
Villa, M., Somers, M. A. J., Alimadadi, H. & Jensen, L. H. S.
01/06/2014 → 31/05/2016
Project

Composite mast structures for electrical transmission lines
Manouchehr, M., Berggreen, C. & Holbøll, J.
01/06/2014 → 01/04/2018
Project: PhD

Characterisation and modelling of crystallographic orientation changes at the grain scale during plastic deformation
Juul, N. Y., Winther, G. & Oddershede, J.
01/04/2014 → 31/03/2017
Project

Characterisation and modelling of crystallographic orientation changes at the grain scale during plastic deformation
Juul, N. Y., Winther, G., Oddershede, J., Nielsen, K. L., Lienert, U. & Quey, R.
01/04/2014 → 07/09/2017
Project: PhD

Advanced thermodynamic cycles utilising low-temperature heat sources
01/03/2014 → 28/02/2019
Project

Mechanical and microstructural transients after strain path changes in metal forming
Jensen, M. R. B., Winther, G. & Bay, N. O.
01/03/2014 → 06/06/2017
Project

Mechanical and microstructural transients after strain path changes in metal forming
Jensen, M. R. B., Winther, G. & Bay, N. O.
01/03/2014 → 10/01/2018
Project: PhD

Tailoring dynamic properties of spatially periodic structures
Sorokin, V.
01/02/2014 → 31/01/2016
Project

Multi-scale material models for smart metal forming
Winther, G., Oddershede, J., Bay, N. O., Juul, N. Y. & Jensen, M. R. B.
01/02/2014 → 31/07/2017
Project

Multi Scale Micro and Nano Metrology for Advanced Precision Moulding Technologies
Quagliotti, D., Tosello, G., Hansen, H. N., De Chiffre, L., Balsamo, A. & Bosse, H.
01/02/2014 → 20/04/2017
<table>
<thead>
<tr>
<th>Project: PhD</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product/Service-System Design from a Life Cycle Costing Perspective</strong>&lt;br&gt;Pagoropoulos, A., McAloone, T. C., Maier, A., Laurent, A., Andersen, I. M. V. &amp; Isaksson, K. O.&lt;br&gt;01/02/2014 → 21/09/2017</td>
<td></td>
</tr>
<tr>
<td><strong>Enhanced evaluation of structural damping using Operational Modal Analysis</strong>&lt;br&gt;Bajric, A., Høgsberg, J. B., Thomsen, J. J., Chatzi, E. &amp; Peeters, B.&lt;br&gt;15/01/2014 → 11/01/2018</td>
<td></td>
</tr>
<tr>
<td><strong>Metric-driven Robust Design &amp; Robustness Quantification of Complex Engineering Systems</strong>&lt;br&gt;Göhler, S. M., Howard, T. J., Eifler, T., McMahon, C. A., Dantan, J. &amp; Söderberg, R.&lt;br&gt;15/01/2014 → 29/05/2017</td>
<td></td>
</tr>
<tr>
<td><strong>Structural Design of FRP Composite Flexible Riser Systems</strong>&lt;br&gt;Lukassen, T. V., Berggreen, C., Anyfantis, K., Glejbøl, K. &amp; Lukassen, T. V.&lt;br&gt;15/12/2013 → 16/08/2018</td>
<td></td>
</tr>
<tr>
<td><strong>The process chain in microstructured polymer optical fibres production</strong>&lt;br&gt;Fasano, A., Rasmussen, H. K., Szabo, P., Cristiansen, J. D. C. &amp; Søndergaard, T.&lt;br&gt;15/12/2013 → 23/03/2017</td>
<td></td>
</tr>
<tr>
<td><strong>DTU-Novo Nordisk Robust Design Programme</strong>&lt;br&gt;Howard, T. J., Pedersen, S. N., Christensen, M. E., Göhler, S. M. &amp; Eifler, T.&lt;br&gt;01/12/2013 → 01/12/2017</td>
<td></td>
</tr>
<tr>
<td><strong>Multiphysics approach applied to the design of AMB for high speed turbomachinery</strong>&lt;br&gt;Lauridsen, J. S., Santos, I., Schlee, M., Blanke, M., Keogh, P. S. &amp; Maslen, E. H.&lt;br&gt;01/12/2013 → 30/09/2017</td>
<td></td>
</tr>
<tr>
<td><strong>Product/Service-System Design from a Life Cycle Environmental Perspective</strong>&lt;br&gt;Kjær, L. L., McAloone, T. C., Pigosso, D. C. A., Olsen, S. I., Evans, S. &amp; Goedkoop, M.&lt;br&gt;01/12/2013 → 03/01/2018</td>
<td></td>
</tr>
<tr>
<td><strong>Quantifying Functional Requirements as Robust Design Target Values</strong>&lt;br&gt;Pedersen, S. N., Howard, T. J., Eifler, T., McMahon, C. A., Dantan, J. &amp; Söderberg, R.&lt;br&gt;01/12/2013 → 29/05/2017</td>
<td></td>
</tr>
<tr>
<td><strong>Integrated Quality Control of Precision Assemblies using Computed Tomography</strong>&lt;br&gt;Stolfi, A., De Chiffre, L., Carli, L., Tosello, G., Andreasen, J. L. &amp; Dewulf, W.&lt;br&gt;15/11/2013 → 16/02/2017</td>
<td></td>
</tr>
<tr>
<td><strong>Quantitative Architecture Synthesis</strong>&lt;br&gt;Jensen, T. V., Mortensen, N. H. &amp; Hansen, C. T.&lt;br&gt;15/11/2013 → 01/04/2018</td>
<td></td>
</tr>
</tbody>
</table>
Quality control and tolerance verification of complex castings by means of optical methods
Mohaghegh, K.
01/11/2013 → 01/11/2016
Project

Assessment, STStrategy And Risk Reduction for Tsunamis in Europe
Fuhrman, D. R., Sumer, B. M. & Eltard-Larsen, B.
01/11/2013 → 01/11/2016
Project

Advanced Process Chains for Prototyping and Pilot Production based on Additive Manufacturing
01/11/2013 → 31/10/2017
Project: PhD

Climatic Reliability of Electronic Devices
Gudla, H. V. C., Ambat, R., Hattel, J. H., Jellesen, M. S., Holm, A. H., König, D. & Pan, J.
01/11/2013 → 06/03/2018
Project: PhD

State-of-the-art laser Doppler system for turbulence measurements
Velte, C. M. & Buchhave, P.
23/10/2013 → 31/12/2015
Project

Developing semi-empirical models for predicting climate inside electronic device enclosures
Staliulionis, Z., Hattel, J. H., Ambat, R., Jellesen, M. S., Mohanty, S., Rode, C., Park, S. & Tamulevicius, S.
15/10/2013 → 22/07/2017
Project: PhD

Major retrofitting technologies for containerships- propellers
Regener, P. B., Andersen, P., Bingham, H. B., Bensow, R. E. & Steen, S.
01/10/2013 → 20/04/2017
Project: PhD

Numerical modeling of the hot wire and hot blade cutting processes
Petkov, K., Hattel, J. H., Thorborg, J., Ahn, D. & Aitchison, D. R.
15/09/2013 → 16/02/2017
Project: PhD

Automation and Robotics for EUropean Sustainable Manufacturing
Bey, N., Rödger, J., Dijkman, T. J., Hauschild, M. Z., Molin, C. & Alting, L.
01/09/2013 → 31/08/2016
Project

Analyses of fish-cage interaction with waves and currents
Chen, H., Christensen, E. D., Bingham, H. B., Kristiansen, T. & Zang, J.
01/09/2013 → 22/06/2017
Project: PhD

Fast Methods for Predicting the Added Resistance on Ships
01/09/2013 → 09/12/2016
Project: PhD
Modelling the Effects of Process Induced Defects on Subsequent Mechanical Behaviour of Cast Components
Andriollo, T., Hattel, J. H., Thorborg, J., Tiedje, N. S., Niordson, C. F., Bellet, M. & Kouznetsova, V.
01/09/2013 → 16/02/2017
Project: PhD

Thermomechanical modelling of casting large wind turbine parts
01/09/2013 → 07/12/2017
Project: PhD

Numerical Simulation of Flow and Compression of Green Sand
15/08/2013 → 07/09/2017
Project: PhD

Numerical Simulation of Flow and Compression of Green Sand
15/08/2013 → 07/09/2017
Project: PhD

Topology optimization for medium- to high-frequency applications
Christiansen, R. E., Sigmund, O., Jensen, J. S., Lazarov, B. S., Agerkvist, F. T., Berggren, M. & Schevenels, M.
15/06/2013 → 30/09/2016
Project: PhD

High-temperature corrosion on biodust firing
Okoro, S. C., Pantleon, K., Jappe Frandsen, F., Hald, J., Lundberg, M. O. & Yrjas, P. K.
15/03/2013 → 19/01/2017
Project: PhD

Operation of Ultra Large Container Ships
15/03/2013 → 04/07/2016
Project: PhD

Optimization of materials for nonlinear dynamic performance
Frandsen, N. M. M., Jensen, J. S., Thomsen, J. J., Høgsberg, J. B., Kerschen, G. & Phani, A. S.
15/03/2013 → 01/09/2016
Project: PhD

Topology Optimisation for Multiscale Problems
Alexandersen, J., Sigmund, O., Aage, N., Lazarov, B. S., Jensen, J. S., Guedes, J. A. P. L. M. & Maute, K.
15/03/2013 → 09/12/2016
Project: PhD

BLADERUNNER - Large scale cost-effective robotic production of advanced formwork
Hattel, J. H., Petkov, K. & Gravesen, J.
01/03/2013 → 31/08/2016
Project

Effects and characterization of metal release from metal implants
Christiansen, R. J., Jellesen, M. S., Bonefeld, C. M., Jakobsen, S. S., Hilbert, L. R., Summer, B. & Tengvall, P.
01/03/2013 → 09/12/2016
Project: PhD
Topology optimization for additive manufacturing
01/03/2013 → 09/12/2016
Project: PhD

Combining Gas Bearing and Smart Material Technologies for Improving Machine Performance - Theory and Experiment
Nielsen, B. B., Santos, I., Andreasen, C. S., Bonello, P. & Savi, M. A.
01/02/2013 → 18/05/2017
Project: PhD

Design and Manufacture of micro Products Using Concurrent Engineering
01/02/2013 → 28/04/2016
Project: PhD

Surface engineering of metallic implants
Barington, A. E., Christiansen, T. L. & Jellesen, M. S.
01/02/2013 → 30/06/2016
Project: PhD

Micro punching of micro containers for oral drug delivery
Petersen, R. S., Mahshid, R. & Hansen, H. N.
21/01/2013 → 13/11/2014
Project

Handling of interfaces in high-complexity and multidisciplinary products
01/01/2013 → 04/07/2016
Project: PhD

Radiation in Combustion Engines
01/01/2013 → 23/03/2017
Project: PhD

Micro Injection Moulding for Micro Fuel cells Production
15/12/2012 → 25/11/2016
Project: PhD

Detailed analyses of breaking wave dynamics interaction with nearshore and offshore structures
Tomaselli, P., Christensen, E. D., Fuhrman, D. R., Bihs, H. & Troch, P.
01/12/2012 → 19/01/2017
Project: PhD

Ionic Liquid Hydrogen Compressor
Arjomand Kermani, N., Rokni, M., Elmegaard, B., Li, Q., Bellosta von Colbe, J. M. & Yartys, V. A.
01/12/2012 → 07/12/2017
Project: PhD

Prediction of Stainless Steel Performance After Forming and Finishing
Bottoli, F., Winther, G., Christiansen, T. L., Somers, M. A. J., Hald, J., Drouet, M. & Hanshan, D.
15/11/2012 → 07/04/2016
Project: PhD
Integrated Systems for Bioenergy and Agriculture in a future without Fossil Resources
Sigurjonsson, H. Æ., Elmegaard, B., Ahrenfeldt, J., Clausen, L. R., Birkved, M., Holm, J. K. & Marechal, F.
01/11/2012 → 22/06/2017
Project: PhD

Modeling and Analysis of Coupled wind Turbine Blades
01/11/2012 → 07/04/2016
Project: PhD

Multi material additive manufacturing
01/11/2012 → 07/04/2016
Project: PhD

Smart Materials Applied to Control Rotor Dynamics - Theory and Experiment
Enemark, S., Santos, I., Thomsen, J. J., Meraghni, F. & Wiercigroch, M.
01/11/2012 → 07/04/2016
Project: PhD

Tank Design for Combined High Pressure Gas and Solid State Hydrogen Storage
01/11/2012 → 26/05/2016
Project: PhD

Turbulence Modeling in Multiresolution Vortex Methods with Application to Bluff Body Aerodynamics
01/11/2012 → 01/09/2016
Project: PhD

High Precision Micro Production Technologies
Tosello, G., Islam, A., Marhöfer, D. M. & Giannekas, N.
30/10/2012 → 30/11/2015
Project

Autonomous optimization of flow, solidification and thermomechanical conditions in the high pressure die casting process
Li, S., Hattel, J. H., Spangenberg, J. & Tutum, C. C.
15/09/2012 → 15/10/2016
Project: PhD

Topology Optimisation for Coupled Convection Problems
Alexandersen, J., Sigmund, O., Andreasen, C. S. & Aage, N.
03/09/2012 → 22/02/2013
Project

Analysis of power cycles using multi-component working fluids
Knudsen, T., Haglind, F. & Clausen, L. R.
01/09/2012 → 30/04/2014
Project: PhD

Dimensionally stable reflow polishing of molding tools
Mohaghegh, K.
01/09/2012 → 31/10/2013
Project
Heat driven air conditioning system based on Desiccant Dewpoint Cooler DDC 2012
01/09/2012 → 16/02/2017
Project: PhD

Higher order continuum modeling of micro-structural evolution in plastically deformed metals
01/09/2012 → 07/12/2017
Project: PhD

Micro-structural evolution and size-effects in single crystals
01/09/2012 → 25/11/2016
Project: PhD

Modelling and optimisation of novel polygeneration plants
Lythcke-Jørgensen, C. E., Haglind, F., Clausen, L. R., Münster, M., Morthorst, P. E., Ahlgren, E. & Pistikopoulos, E. N.
01/09/2012 → 19/01/2017
Project: PhD

Modelling of concentrated solar power systems using multi-component working fluids
Modi, A., Haglind, F., Clausen, L. R., Wieland, C., Elmegaard, B., Gonzalez-Aguilar, J. & Karellas, S.
01/09/2012 → 28/01/2016
Project: PhD

Udvikling af ultra-høj-temperatur hybridvarmepumpe for industrielle procesapplikationer
Jensen, J. K., Elmegaard, B., Markussen, W. B., Reinholdt, L. O., Rokni, M., Eikevik, T. M. & Elefsen, F.
01/09/2012 → 28/04/2016
Project: PhD

Makromekanisk parametrisk forstærkning
Neumeyer, S., Thomsen, J. J., Jensen, J. S., Gallacher, B. J. & Sorokin, S. V.
15/08/2012 → 30/09/2016
Project: PhD

FRP Composite Flexible Riser Systems
15/07/2012 → 25/02/2016
Project: PhD

Modeling of displacements of flexible pavements under moving load
Madsen, S. S., Pedersen, N. L., Høgsberg, J. B., Kallivokas, L. F. & Vabbersgaard Andersen, L.
01/07/2012 → 30/09/2016
Project: PhD

Synthesis and characterisation of interstitial solutions
Brink, B., Somers, M. A. J., Christiansen, T. L., Ståhl, K., Pantleon, W., Hansen, S. S. & Malinov, S.
01/07/2012 → 30/09/2015
Project: PhD

Systemintegration i teknologiudviklingsprojekter
01/07/2012 → 04/07/2016
Project: PhD
Design for micro manufacturing
15/06/2012 → 30/10/2015
Project: PhD

IFaCOM– Intelligent Fault Correction and selfOptimizing Manufacturing systems
Mohaghegh, K.
01/05/2012 → 31/08/2012
Project

Computational thermodynamics of interstitial alloys
01/05/2012 → 30/11/2015
Project: PhD

Diesel Engine Tribology
01/05/2012 → 28/04/2016
Project: PhD

Mechalronics applied to Lubrication Systems of Internal Combustion Engines - Theory and Experiment
Pierart Vásquez, F. G., Santos, I., Klit, P., Achiche, S. & Aidanpää, J.
01/05/2012 → 26/05/2016
Project: PhD

Modelling selective Laser Melting
01/05/2012 → 11/12/2015
Project: PhD

Optimization in nonlinear dynamic using reduced-order models
Dou, S., Jensen, J. S., Pedersen, N. L., Kerschen, G. & Sorokin, S. V.
01/05/2012 → 30/11/2015
Project: PhD

Udvikling af Produkt/Service-systemer i nye forretningsområdet og virksomheder
Andersen, J. A. B., McAloone, T. C., Broeng, J., Larsson, T. C. & Thoben, K.
01/05/2012 → 11/12/2015
Project: PhD

Development of low cost electrocatalysts for oxygen evolution in advanced alkaline electrolyzers
Egelund, S. D., Møller, P., Jensen, J. A. D., Nielsen, C. V., Tang, P. T., Johnsen, R. & Leisner, P.
01/04/2012 → 24/09/2015
Project: PhD

High efficiency, low-cost cathode electrodes durable in advanced alkaline electrolyzers
Caspersen, M., Møller, P., Jensen, J. A. D., Nielsen, C. V., Tang, P. T., Johnsen, R. & Leisner, P.
01/04/2012 → 24/09/2015
Project: PhD

Model-Based Control Design for Flexible Rotors Supported by Active Tilting Pad Bearings
Salazar, J. A. G., Santos, I., Galeazzi, R., Glavatskih, S. & Sahinkaya, M. N.
01/04/2012 → 19/01/2017
Project: PhD
Modelling induction heating in the surface of injection moulding tools
01/04/2012 → 24/09/2015
Project: PhD

Optical designing of anodized aluminium surfaces
Gudla, V. C., Ambat, R., Juhl, A. D., Deconinck, J. & Takahashi, H.
01/04/2012 → 30/11/2015
Project: PhD

Traæfisikkerhed i produktudvikling gennem brugercentreret design: En undersøgelse af teori og praksis
Christensen, M. E., Howard, T. J., McAlone, T. C., Mortensen, N. H., Söderberg, R. & Thornton, A.
01/04/2012 → 25/02/2016
Project: PhD

Damping of Wind Turbine Tower Vibrations
15/03/2012 → 19/01/2017
Project: PhD

Steam initiated surface modification process for metallic surfaces
Din, R. U., Ambat, R., Nielsen, L. P., Leygraf, C. & Nisancioglu, K.
15/03/2012 → 22/06/2015
Project: PhD

Sustainable processes in foundry industry, theory and practical implementation
di Muoio, G. L., Tiedje, N. S., Johansen, B. B., Thorborg, J., Hansen, T. & Schumacher, P.
01/03/2012 → 22/06/2015
Project: PhD

Yaw Drive Unit
Mohaghegh, K.
01/02/2012 → 31/05/2012
Project

Innovative Multi-purpose offshore platforms: planning, design and operation
01/01/2012 → 31/12/2015
Project

Seals in Multiphase Flow: Identication of Rotor Dynamic Properties using Active Magnetic Bearings - Modeling and Validation
Voigt, A. J., Santos, I., Nielsen, K. K., Klit, P., Arghir, M. & Keogh, P. S.
01/01/2012 → 25/11/2016
Project: PhD

Thermal Stability of Tungsten
15/12/2011 → 24/09/2015
Project: PhD

Design and Modelling of Small Scale Low Temperature Power Cycles
Wronska, J., Haglind, F., Elmegaard, B., Skovrup, M. J., Ivarsson, A., Shaffer, B. R. & van den Broek, M.
01/12/2011 → 28/01/2016
Project: PhD
Hybrid Testing of Wind Turbine Blades
01/12/2011 → 04/07/2016
Project: PhD

Interaction of stress and phase transformations during thermochemical surface engineering
01/12/2011 → 28/01/2016
Project: PhD

Modelling and design of Anodised Aluminium Surfaces
Johansen, V. E., Sigmund, O., Aage, N., Breinbjerg, O., Mortensen, N. A., Berggren, M. & Shin, J. H.
01/12/2011 → 19/03/2015
Project: PhD

Requirement management with multiple product platforms
Hauksdóttir, D., Mortensen, N. H., Hvam, L., Nielsen, P. E., Malmqvist, J., Hildre, H. P. & Krause, D.
01/12/2011 → 24/09/2015
Project: PhD

Tooling process chains for micro injection moulding
01/12/2011 → 19/03/2015
Project: PhD

Early prediction and control of climatic reliability of electronic devices
Verdingovas, V., Ambat, R., Jellesen, M. S., Krog, J. P., Leisner, P. & Nowottnick, M.
01/11/2011 → 24/08/2015
Project: PhD

Modelling and Optimization of Energy Systems for Off-Shore Platforms
Nguyen, T., Elmegaard, B., Haglind, F., Sin, G., Angelo, P. & de Oliveira Júnior, S.
01/11/2011 → 26/01/2015
Project: PhD

Modelling of innovative gas turbine and waste heat recovery systems for off-shore platforms
01/11/2011 → 19/03/2015
Project: PhD

Intelligent Fault Correction and self Optimizing Manufacturing Systems
15/10/2011 → 22/06/2015
Project: PhD

Multi-Functional Surfaces
Mohaghegh, K.
01/10/2011 → 31/01/2012
Project

High-efficiency energy system utilising combined heat and power and heat pumps
Ommen, T. S., Elmegaard, B., Markussen, W. B., Rokni, M., Meibom, P. & Palm, B.
01/10/2011 → 24/08/2015
Project: PhD
Udvikling af teknologisk produktarkitektur fra specification til produktion
01/10/2011 → 07/04/2016
Project: PhD

Predicting the added resistance of slow ships in waves
15/09/2011 → 19/03/2015
Project: PhD

Optically Designed Anodized Aluminum Surfaces
Canulescu, S.
01/09/2011 → 01/09/2015
Project

Computational modelling of rolling contact fatigue in wind turbines
01/09/2011 → 26/01/2015
Project: PhD

Failure mechanisms in metallic components of Wind turbine drive trains
West, O., Somers, M. A. J., Christiansen, T. L., Dahl, K. V., Panteon, K., Slycke, J. T. & Wang, L.
01/09/2011 → 23/02/2015
Project: PhD

Integrated analysis of the scavenging process in marine two stroke diesel engines
Andersen, F. H., Walther, J. H., Matlok, S., Mayer, S., Sørensen, J. N., Mihaescu, M. & Pedersen, E.
01/09/2011 → 28/01/2016
Project: PhD

Mechanics of sheet flow sediment transport in waves and current
01/09/2011 → 19/03/2015
Project: PhD

Modelling and experimental verification of fatigue failure development in rolling and sliding contacts
01/09/2011 → 19/03/2015
Project: PhD

Modelling of High Temperature Corrosion of Metals in Biomass-fired Power Plants
01/09/2011 → 19/03/2015
Project: PhD

Non-linear Analysis of Rotating Machines Supported by Air Foil Journal Bearings - Theory & Experiments
Larsen, J. S., Santos, I., Pløger, F., Klit, P., Bonello, P. & Liebich, R.
01/09/2011 → 24/04/2015
Project: PhD

Optimal design of porous materials
Andreassen, E., Jensen, J. S., Sigmund, O., Thomsen, J. J., Høgsberg, J. B., Guedes, J. A. P. L. M. & Lund, E.
01/09/2011 → 19/03/2015
Project: PhD
Radiation in pre-mixed flames
Dalen, K. R., Schramm, J. & Ivarsson, A.
01/09/2011 → 06/09/2015
Project: PhD

Biosurface and biotribological properties of mucins and mucus gels
Madsen, J. B., Lee, S., Chronakis, I. S., Kocherbitov, V. & Zappone, B.
01/08/2011 → 30/09/2014
Project: PhD

Damage Tolerance Enhancement of sandwich Structures
01/08/2011 → 24/09/2015
Project: PhD

Improved design bases of welded joints in seawater
Ólafsson, O. M., Berggreen, C., Hejerslev, C., Jensen, J. J., Pedersen, M. M., Hattel, J. H., Fricke, W. & Sørensen, G.
01/08/2011 → 01/09/2016
Project: PhD

Prediction of fatigue life of flexible pipes used in gas and oil industry
Rogowska, M., Ambat, R., Gudme, J., Pantleon, K., Fontenay, F. L. S. D., Dugstad, A. & Johnsen, R.
01/08/2011 → 24/09/2015
Project: PhD

Process validation in micro and nano replication
Calaon, M., Hansen, H. N., Tosello, G., da Costa Carneiro, K., Whiteside, B. R. & Worgull, M.
01/08/2011 → 03/12/2014
Project: PhD

Design of next generation wind turbine rotors
Shen, W. Z., Sørensen, J. N., Zhu, W. J. & Madsen, J.
01/07/2011 → 30/06/2014
Project

Advanced Thermodynamic Methods for Optimization of Industrial Energy Consumption
Nielsen, D. R., Elmegaard, B., Bang-Møller, C. & Luxhøj, C.
01/06/2011 → 31/10/2012
Project: PhD

Modelling the pultrusion process of off shore wind turbines blades
Baran, I., Hattel, J. H., Nielsen, P. H., Tutum, C. C., Nunes, J. P. L. G., Ersoy, N. & Lilleheden, L. T.
01/06/2011 → 25/08/2014
Project: PhD

Density-driven currents and deposition of fine materials
Saremi, S., Hjelmager Jensen, J., Christensen, E. D., Petersen, O. S., Fuhrman, D. R., Mulder, T. D. & Rhee, C. V.
01/05/2011 → 25/08/2014
Project: PhD

Characterization of vortex generator induced structures in high Reynolds number wall bounded flow
Velte, C. M., Braud, C., Foucaut, J. M. & Cuvier, C.
01/04/2011 → 30/06/2012
Project
Brush-forming Polyelectrolytes for Biomimetic Lubrication
Røn, T., Lee, S., Sivebæk, I. M., Daasbjerg, K. & Sotres, J.
01/04/2011 → 29/09/2014
Project: PhD

Investigation of photocatalytic activity of TiO2 coatings on metallic substrates prepared using PVD process
Daviðsdóttir, S., Ambat, R., Dirscherl, K., Nielsen, L. P., Di Quarto, F. & Kelly, P. J.
01/04/2011 → 19/12/2014
Project: PhD

Micro Mechanical Damage Tolerance improvements of Composites
01/04/2011 → 25/08/2014
Project: PhD

Modelling the deformation process of flexible stamps for nanoimprint lithography
01/04/2011 → 03/12/2014
Project: PhD

Soft, Slimy, Sliding Interfaces: Biotribological Properties of Mucins and Mucus Gels
Lee, S.
01/04/2011 → 31/03/2016
Project

Micro metal forming
Mahshid, R., Hansen, H. N., Arentoft, M., Bissacco, G., Andreasen, J. L. & Vollertsen, F.
15/03/2011 → 19/12/2014
Project: PhD

Adiabatic Liquid Piston Compressed Air Energy Storage
Bang-Møller, C., Reinholdt, L., Elmegaard, B., Pedersen, A. S., Pedersen, A. H. & Crotogino, F.
01/03/2011 → …
Project

Development of modelling techniques for project management in product development
01/03/2011 → 26/05/2014
Project: PhD

Numerical modelling of defects distribution and residual stresses in forged components
Christiansen, P., Hattel, J. H., Bay, N. O., Thorborg, J., Lindgren, L. & Tekkaya, A. E.
15/02/2011 → 25/08/2014
Project: PhD

Numerical modelling of tape casting of functionally graded ceramic materials
Jabbaribehnam, M., Hattel, J. H., Pryds, N., Frandsen, H. L., Mitsoulis, E. & Tok, A.
01/02/2011 → 29/09/2014
Project: PhD

REWIND - Knowledge based engineering for improved reliability of critical wind turbine components
Hattel, J. H., Tvergaard, V., Somers, M. A. J., Fæster, S., Natarajan, A. & Klit, P.
01/01/2011 → 31/12/2016
Project
A Biomimetic Approach to Lubricate Engineering Materials
Lee, S.
01/01/2011 → 31/12/2011
Project

Aerodynamics and optimization of wind turbines in complex terrain
Shen, W. Z., Zhu, W. J., Sørensen, J. N. & Aagaard Madsen, H.
01/01/2011 → 31/12/2014
Project

Electroplating of Protective coatings on interconnects used for solid oxide fuel cell stacks
Harthøj, A., Møller, P., Rasmussen, J. B., Tang, P. T., Froitzheim, J. & Leisner, P.
01/01/2011 → 03/12/2014
Project: PhD

Improvement of Feeder Technologies for Energy Savings in Cast Iron Foundries
Vedel-Smith, N. K., Tiedje, N. S., Hattel, J. H., Pedersen, K. M. & Sándor Diószegi, A.
01/01/2011 → 07/04/2016
Project: PhD

Numerical modelling of extrusion of functionally graded ceramic materials
01/01/2011 → 24/08/2015
Project: PhD

Udvikling af mekatroniske platforme
Bruun, H. P. L., Mortensen, N. H., Hvam, L., Malmqvist, J., Bysted, T. & Welo, T.
01/01/2011 → 23/02/2015
Project: PhD

Udvikling og demonstration af 'DryPack' - energibesparelser på industrielle tørreanlæg
Schneider, P., Elmegaard, B. & Kærn, M. R.
01/01/2011 → 01/03/2013
Project

Aerodynamic and Mechanical System Modelling
01/12/2010 → 24/03/2014
Project: PhD

Design and modelling of innovative machinery systems for large ships
01/12/2010 → 26/01/2015
Project: PhD

Stability of stone covers
Petersen, T. U., Sumer, B. M., Christensen, E. D., Carstensen, S., Frigaard, P. B. & Whitehouse, R. J. S.
01/12/2010 → 29/09/2014
Project: PhD

Wave interaction with porpous coastal structures
Jensen, B., Christensen, E. D., Sumer, B. M., Fuhrman, D. R., Ailsop, W. & Troch, P.
01/12/2010 → 25/08/2014
Project: PhD
Integreret beslutningsstøtte-systm for brug ombord i skibe
01/11/2010 → 29/09/2014
Project: PhD

Fluid Dynamic Characterization of Vortex Generators and Two-dimensional Turbulent Wakes
Fernandez Gamiz, U., Egusquiza Estevez, E. & Velte, C. M.
01/10/2010 → 26/11/2013
Project

Aluminium based plasma coatings for optical and corrosion resistant applications
Aggerbeck, M., Ambat, R., Nielsen, L. P., Afseth, A. & Terryn, H.
01/10/2010 → 28/04/2014
Project: PhD

Modeling and Dimensioning of Hydrogen Re-fuelling Stations
Rothuizen, E. D., Rokni, M., Elmegaard, B., Li, Q., Nielsen, M. P. & Woodfield, P. L.
01/10/2010 → 21/02/2014
Project: PhD

Modelling Nonlinear Wave Interaction with Floating Ocean Energy Devices
01/10/2010 → 01/09/2015
Project: PhD

Tribology of a Combined Yaw Bearing and Brake
Poulios, K., Klit, P., Pedersen, N. L., Jacobson, S. & Schipper, D. J.
01/10/2010 → 24/03/2014
Project: PhD

Marine solution decision support system for waste heat recovery systems
Haglind, F. & Stefánsson, S. H.
17/09/2010 → 30/05/2011
Project

BioDME som motorbrændstof
01/09/2010 → 24/08/2015
Project: PhD

Efficient CFD computation of extreme wave loads on wind turbine foundations
Paulsen, B. T., Bingham, H. B., Bredmose, H., Christensen, E. D., Grue, J. & Yeung, R. W.
01/09/2010 → 22/11/2013
Project: PhD

Modeling of Rotating Structures
Nielsen, M. B., Krenk, S., Hagsberg, J. B., Cardona, A. & Romero, I.
01/09/2010 → 28/04/2014
Project: PhD

Scavenging and swirling flow in two-stroke diesel engines - An experimental study
Ingvorsen, K. M., Meyer, K. E., Walthier, J. H., Hansen, M. O. L., Alfredsson, H. & Gervang, B. G.
01/09/2010 → 24/03/2014
Project: PhD
Svovls betydning for drift af 2-takts dieselmotorer
Cordtz, R. F., Schramm, J., Ahrenfeldt, J., Cox, I. & Kjemtrup, N.
01/09/2010 → 20/06/2014
Project: PhD

Topology Optimisation for Convection Problems
Alexandersen, J. & Sigmund, O.
30/08/2010 → 30/09/2011
Project

High Strain Rate Performance of Composite Materials
01/08/2010 → 25/08/2014
Project: PhD

Isothermal Martensite Formation
01/08/2010 → 21/02/2014
Project: PhD

Lightweight Structural Protection Concepts against Blast Loading
01/08/2010 → 25/08/2014
Project: PhD

New tribo-system for sheet metal forming of advanced high strength steel and stainless steel
Ceron, E., Bay, N. O., Hörnström, S. E., Madsen, E., Schedin, E., De Chiffre, L., Dubar, L. & Olsson, D. D.
01/08/2010 → 27/01/2014
Project: PhD

Optimization of advanced liquid natural gas-fuelled machineries for a high-speed ferry
Haglind, F. & Tveitaskog, K. A.
01/08/2010 → 18/11/2011
Project

Quality Assurance and Akutomation of Industrial CT Scanning
01/08/2010 → 25/08/2014
Project: PhD

Et rammeværk til konceptualisering og specifikation af PSS designs - Netværksbaserede udviklingsmodeller
Mougaard, K., McAloone, T. C., Howard, T. J., Maier, A., Rönnbäck, A. O. & Storga, M.
01/07/2010 → 28/01/2016
Project: PhD

Fremstilling af carcass til fleksible rør
Nielsen, P. S., Bay, N. O., Nielsen, M. S., Tiedje, N. S., Groche, P. & Madsen Kvist, P.
01/07/2010 → 23/02/2015
Project: PhD

High Temperature Resistant Exhaust Valve Spindle
01/07/2010 → 28/04/2014
Project: PhD
A Global Condition Monitoring System for Wind Turbines
Schlechtingen, M., Santos, I., Klit, P., Bobi, M. A. S. & Liebich, R.
01/06/2010 → 27/08/2013
Project: PhD

Characterization and testing of multifunctional surfaces
01/05/2010 → 27/08/2013
Project: PhD

Modelling the effect of micro alloying elements in ductile cast iron
Moumeni, E., Hattel, J. H., Horsewell, A., Tiedje, N. S., Lacaze, J., Pedersen, K. M. & Tonn, B.
01/05/2010 → 30/09/2013
Project: PhD

Organisation for PSS delivery and management structures for PSS performance
Malthesen, L. N. & McAloone, T. C.
01/05/2010 → 29/01/2016
Project: PhD

Scavenging and Swirling Flow in Two-Stroke Diesel Engines - A Numerical Study
01/05/2010 → 29/09/2016
Project: PhD

Danish Centre for Composites Structures and Materials for Wind Turbines
01/04/2010 → 31/03/2017
Project

Photocatalytic TiO2 based coatings for self-cleaning and anti-microbial applications
Soyama, J. & Ambat, R.
15/03/2010 → 15/02/2011
Project: PhD

BioSOFC - 3rd Generation Biomass Based Combined Heat and Power (CHP)
01/03/2010 → 01/03/2013
Project

Grænsedragning mellem forskning og industri indenfor dansk rumfart
Zwisler, L., Tybjerg, K., Bjørnvig, T. & Skyggebjerg, L.
01/03/2010 → 01/12/2010
Project

Hybrid method simulation of slender marine structures
01/03/2010 → 23/02/2015
Project: PhD

Optimization of vortex generators on wind turbine blades
Velte, C. M., Hansen, M. O. L., Okulov, V., Sørensen, N. N. & Fuglsang, P.
01/02/2010 → 31/07/2013
Project
Integrated modelling of the glass moulding process
Sarhadi, A., Hattel, J. H., Hansen, H. N., Tutum, C. C., Thorborg, J., Yan, J. & Yi, A.
15/01/2010 → 29/09/2014
Project: PhD

Additive manufacturing technology - process and product quality control
01/01/2010 → 04/04/2013
Project: PhD

Coordinate metrology by traceable CT scanning
01/01/2010 → 04/04/2013
Project: PhD

Equation Free Analysis of Mechanical Vibrations
Bureau, E., Santos, I., Hjorth, P. G., Kerschen, G. & Savi, M. A.
01/01/2010 → 20/06/2014
Project: PhD

Fuel Cell Hydrogen Manifold for Lift Trucks
Hosseinizadeh, E., Rokni, M., Elmegaard, B., Jensen, J. O., Nielsen, M. P. & Yuan, J.
01/01/2010 → 04/04/2013
Project: PhD

Modeling the manufacturing process of wind turbine blades
Nielsen, M. W., Hattel, J. H., Legstrup Andersen, T., Branner, K., Nielsen, P. H., Thomsen, O. T., Svanberg, M. & Talreja, R.
01/01/2010 → 25/06/2013
Project: PhD

Rullekæders Dynamik: Teoretisk Modellering og Analyse
Fuglede, N., Thomsen, J. J., Høgsberg, J. B., Eberhard, P. & Fidlin, A.
01/01/2010 → 19/03/2015
Project: PhD

Scavenging and Swirling Flow in Two-Stroke Diesel Engines
Walther, J. H.
01/01/2010 → 31/12/2012
Project

2nd Generation Alkaline Electrolysis for Hydrogen Production
Kjartansdóttir, C. K., Møller, P., Tang, P. T., Jensen, J. A. D. & Leisner, P.
01/11/2009 → 21/02/2014
Project: PhD

Analysis of the physical structure of emulsions using advanced nanoscopy techniques
01/11/2009 → 27/08/2013
Project: PhD

3-D Modelling and Testing of Contact Problems in Resistance Welding
01/10/2009 → 31/01/2013
Project: PhD
Multi Physics Approach Applied to Model and Design of Grinding Facilities
Andersen, S. B., Santos, I., Stidsen, T. J. R., Achiche, S. & Bittencourt, M. L.
01/10/2009 → 04/04/2013
Project: PhD

Hydrodynamics of Marine Animals
Storti, F. & Walther, J. H.
01/09/2009 → 31/03/2010
Project: PhD

Mechatronics applied to Film Fluid Bearings - Towards More Efficient Machinery
Cerda Varela, A. J., Santos, I., Klit, P., Glavatskih, S. & Keogh, P. S.
01/09/2009 → 24/04/2013
Project: PhD

Modeling of product- and process architecture
01/09/2009 → 21/09/2015
Project: PhD

Systematic design of nano-photonic systems
Wang, F., Jensen, J. S., Mørk, J., Sigmund, O., Pedersen, N. L., Qiu, M. & Tortorelli, D. A.
01/09/2009 → 20/12/2012
Project: PhD

Udvikling og anvendelse af ikke-lineære svingningsanalyse værktøjer til industrielle roterende maskineri
Lahriri, S., Santos, I., Hartmann, H., Klit, P., Pennacchi, P. & Steffen Jr., V.
01/09/2009 → 04/04/2013
Project: PhD

Koordineret udvikling af produktarkitektur og forretningsprocesser
Hansen, C. L., Mortensen, N. H., Hvam, L., Welo, T., Johannesson, H. & Krause, D.
01/08/2009 → 26/01/2015
Project: PhD

Marine solution decision support system for waste heat recovery systems
Haglind, F. & Scappin, F.
01/08/2009 → 31/05/2010
Project

Væskeslag og gensvar af skibsskrog
Seng, S., Jensen, J. J., Pedersen, P. T., Bingham, H. B., Faltinsen, O. M. & el Moctar, B. O.
01/05/2009 → 27/05/2013
Project: PhD

Equation-Free Analysis of Mechanical Vibrations
Starke, J., Santos, I. & Thomsen, J. J.
01/04/2009 → 31/03/2012
Project

Kystmorfologiske arealmodeller: medium- og langtidsmodellering
Kristensen, S. E.,Fredsøe, J., Deigaard, R., Hjelmager Jensen, J., Christensen, E. D., Hanson, H. & Stive, M.
01/04/2009 → 26/02/2013
Project: PhD
Numerisk modellering af formfyldning ved støbning i selvkompakterende beton
01/04/2009 → 24/08/2012
Project: PhD

Statistiske og dynamiske egenskaber af hydrodynamiske glidelejer på vindmøllers hovedaksel
Thomsen, K., Kilt, P., Santos, I., Vølund, A., Pedersen, N. L., Glavatskih, S. & Lehtovaara, A.
01/04/2009 → 28/09/2012
Project: PhD

Interaction between seabed soil and offshore wind turbine foundations
Hansen, N. M., Sumer, B. M., Fredsøe, J., Hededal, O., Gravesen, H. & Jeng, D.
01/03/2009 → 25/06/2012
Project: PhD

Dynamisk modellering af indvendigt rifledt fordamperrør, med henblik på øget driftsflexibilitet af termiske kraftværker
Johansen, A. V. O., Elmegaard, B., Sørensen, J. N., Walther, J. H., Dahlquist, E. & Sørensen, K.
01/02/2009 → 24/03/2014
Project: PhD

Optimization of Metamaterials
Andkjær, J. A., Sigmund, O., Breinbjerg, O., Mortensen, N. A., Lavrinenko, A., Bozhevolnyi, S. I. & Leugering, G.
01/02/2009 → 02/05/2012
Project: PhD

Tolerance chains and their verification in micro-manufacturing
01/02/2009 → 25/06/2012
Project: PhD

Metodisk konstruktion af produkter
Torry-Smith, J., Mortensen, N. H., Johansson, H. L., McAloone, T. C. & Riitahuhta, A.
01/01/2009 → 27/08/2013
Project: PhD

New Sol-Gel coatings to improve casting quality
Nwaogu, U. C., Tiedje, N. S., Thorborg, J., Schumacher, P. & Stötzel, R.
01/11/2008 → 23/05/2012
Project: PhD

Prediction of flow induced inhomogeneities in self compacting concrete
01/11/2008 → 31/10/2012
Project

Rock Mechanics Model for Enhanced Oil Recovery
Ankergren, U. M. V., Krenk, S. & Christensen, H. F.
01/11/2008 → 17/08/2009
Project: PhD

Converging technologies for micro systems manufacturing
01/10/2008 → 30/09/2012
Micro alloyed high strength net shape components
D'Angelo, L. & Tiedje, N. S.
15/09/2008 → 28/02/2010
Project: PhD

Multiscale Modeling of Composites
Azizi, R., Niordson, C. F., Legarth, B. N., Tvergaard, V., Richelsen, A. B., Fleck, N. A. & Jensen, H. M.
15/09/2008 → 21/12/2011
Project: PhD

Multiscale Simulations using Particle-Vortex Methods with Application to Bluff Body Aerodynamics
Rasmussen, J. T., Walther, J. H., Sørensen, J. N., Chatelain, P. & Rosendahl, L.
01/09/2008 → 24/08/2012
Project: PhD

Nanophotonics for terabit communications - VKR centre of excellence - NATEC
01/09/2008 → 31/08/2014
Project

Optimization and Validation of Mathematical Ship Models used in Routing and Performances Systems
01/09/2008 → 23/05/2012
Project: PhD

Scour Protection of Offshore Wind Farms
Nielsen, A. W., Sumer, B. M., Christensen, E. D., Fredsøe, J., Fuhrman, D. R., Myrhaug, D. & Whitehouse, R. J. S.
01/09/2008 → 21/12/2011
Project: PhD

Grain boundary engineering of functional thin films
15/08/2008 → 24/08/2012
Project: PhD

Multiscale Simulation of Wave Forces on Ocean Energy Devices
15/08/2008 → 28/08/2012
Project: PhD

Microstructure Evolution during Friction Stir Welding
01/08/2008 → 28/03/2012
Project: PhD

Scour Around Offshore Wind Turbine Foundations
Jensen, P. M., Sumer, B. M. & Fredsøe, J.
01/08/2008 → 31/03/2010
Project: PhD

Analysis of mal-distribution phenomena in evaporators
Simulation of Moving Trailing Edge Flaps on a Wind Turbine Blade using Navier-Stokes based Immersed Boundary Method
Behrens, T., Shen, W. Z., Sørensen, J. N., Sørensen, N. N., Wedel-Heinen, J. J., Gaunaa, M., Bijl, H. & Davidson, L. 15/07/2008 → 21/12/2011
Project: PhD

Modelling and Control of Semi-Active Dampers
Project: PhD

Developing Strategies for Corrosion Protection of Electronic Devices
Rathinavelu, U., Ambat, R., Møller, P., Nielsen, L. P., Johnsen, R. & Leisner, P. 01/05/2008 → 21/12/2011
Project: PhD

Magnetic Foil Bearings - Theory and Experiment
Morosi, S., Santos, I., Klit, P., Lee, C. & Stahl, K. 15/04/2008 → 24/02/2012
Project: PhD

From Nanostructure to Micro Morphology in Polymers
Project: PhD

Performance of slow-speed diesel engines with waste heat recovery - a system approach
Haglind, F. & Barduca, O. 01/04/2008 → 31/03/2009
Project

Quasi-3d aerodynamic code for analyzing dynamic flap response
Project: PhD

Self cleaning paint: Introduction of Photocatalytic Particles into a Paint System
Gunnarsson, S. G., Møller, P., Ottosen, L. M., Poulsen, S., Erik Weinell, C., Larsson, A. & Paatsch, W. 01/04/2008 → 02/05/2012
Project: PhD

Topology Optimization of Transient Optoelastic Wave-interaction Problems
Matzen, R., Sigmund, O., Jensen, J. S., Mørk, J., Diaz, A. R. & Kawamoto, A. 01/04/2008 → 31/08/2011
Project: PhD

Analysis and Design of Wing Tips
Borbye, J., Sørensen, J. N. & Brøns, M. 15/03/2008 → 28/04/2012
Project: PhD

Multiscale Optimization of Materials Subjected to Impact Loading
Andreasen, C. S., Sigmund, O., Jensen, J. S., Klarbring, A. & Rodrigues, H. C.
Numerisk modellering af kystmorfologi
01/02/2008 → 21/12/2011
Project: PhD

Udvikling af HCCI motor til DME (DI Methyl Ether)
Mørch, C. S., Schramm, J. & Sorensen, S. C.
01/02/2008 → 28/02/2010
Project: PhD

Damage Tolerance of Curved Sandwich Structures in Wind Turbine Blades
15/01/2008 → 30/11/2011
Project: PhD

Micro alloyed high strength net shape components
Tiedje, N. S., Hattel, J. H. & Horsewell, A.
01/01/2008 → 31/12/2010
Project:

Modalkontrol af vindmøller
01/01/2008 → 06/04/2011
Project: PhD

Revolutionerende forbedring af støbeprocessen gennem udvikling af sværte baseret på Sol-Gel coating
Tiedje, N. S. & Krøis, A.
01/01/2008 → 31/12/2010
Project:

Systematic Design of Miniaturized Devices for Energy Transfer
Aage, N., Sigmund, O., Breinbjerg, O., Mortensen, N. A., Stolpe, M., Diaz, A. R. & Kawamoto, A.
01/01/2008 → 31/08/2011
Project: PhD

Effects of oral salmon calcitonin in animal models of osteoarthritis - assessments of cartilage, bone and pain
Nielsen, R. H., Ambat, R., Karsdal, M. A., Lee, S., Azria, M. & Hauge, E.
01/12/2007 → 21/12/2011
Project: PhD

Computational Nanofluidics. Multiscale Simulations of Flow in Nanochannels
Zambrano Rodriguez, H. A., Walther, J. H., Hassager, O., Hansen, J. S. & Quirke, N.
01/11/2007 → 23/09/2012
Project: PhD

Integrated Modeling of Process, Structures and Performance in Cast Parts
Kotas, P., Hattel, J. H., Tiedje, N. S., Huff, R. K. & Schneider, M. C.
15/10/2007 → 01/06/2011
Project: PhD

En komplet hydro- og morfodynamisk beskrivelse af revleudvikling
Laser Induce Selective Activation For Subsequent Autocatalytic Electroless Plating
01/10/2007 → 02/02/2011
Project: PhD

Optimal Design of Smart Composite Structures
Blasques, J. P. A. A., Stolpe, M., Berggreen, C., Branner, K., Buhl, T., Duysinx, P. & Lund, E.
01/10/2007 → 30/11/2011
Project: PhD

Application of DME in Direct Injection Internal Combustion Engines
01/09/2007 → 24/04/2013
Project: PhD

Computational Nanofluidics Multiscale Simulations of Flow in Nanochannels
Walther, J. H.
01/09/2007 → 31/10/2010
Project

Energy efficient and environmentally friendly cooling using magnetic refrigeration : Modeling of active magnetic regenerators for magnetic refrigeration at room temperature
Hattel, J. H.
01/09/2007 → 31/08/2010
Project

High-Efficiency Ship Propellers
01/09/2007 → 06/04/2011
Project: PhD

Modeling of Active Magnetic Regenerators for Magnetic Refrigeration at Room Temperature
01/09/2007 → 21/12/2010
Project: PhD

Modelling of Solidification and Interdiffusion in Lead Free Solder Materials
Nachiappan, V. C., Hattel, J. H., Hald, J., Kodentsov, A., Fredriksson, H. & Leisner, P.
01/09/2007 → 29/09/2010
Project: PhD

Onboard Decision Support Systems for Optimal Operation
Lajic, Z., Nielsen, U. D., Jensen, J. J., Pedersen, P. T., Petersen, J. B. & Sørensen, A. J.
01/09/2007 → 02/02/2011
Project: PhD

Universal and Flexible 3D Coordinate Metrology for Micro and Nano Components Production
01/09/2007 → 02/02/2011
Project: PhD

Factors affecting Coriolis flowmeter accuracy and precision
Enz, S., Thomsen, J. J., Davidson, L., Møller, P., Jensen, J. S., Benra, F. & Sorokin, S. V.
Factors Affecting Coriolis Flowmeter Accuracy and Stability
Dahl, J., Thomsen, J. J. & Paidoussis, M. P.
01/08/2007 → 31/03/2008
Project: PhD

Surface Embedded Metal Oxide Sensors (SEMOS)
01/08/2007 → 06/04/2011
Project: PhD

Nanotribology
Hansen, H. N., Tosello, G., De Grave, A. & Sivebæk, I. M.
01/07/2007 → 30/11/2009
Project

Energirtig renovering af større bygninger : fokus på installationer og energiforsyning
Mikkelsen, S. E., Svendsen, S., Tommerup, H. M., Olesen, B. W. & Ellehauge, K.
01/06/2007 → 31/12/2009
Project

Design af fremtidens energianlæg
Clausen, L. R., Elmegaard, B., Houbak, N., Jensen, P. A., Nielsen, P. E. H. & Larson, E. D.
15/05/2007 → 28/09/2011
Project: PhD

Design of metamaterials
Bendsøe, M. P., Sigmund, O. & Diaz, A. R.
01/05/2007 → 31/12/2007
Project

Investigation of Electronic Corrosion Mechanisms
01/04/2007 → 29/09/2010
Project: PhD

Verificering af modeller for 2-takts dieselmotorer
Christiansen, C. A., Schramm, J., Elmegaard, B., Czerwinski, J. & Norman, T.
01/04/2007 → 31/01/2013
Project: PhD

Heat Transfer in Large Two-Stroke Marine Diesel Engines
Jensen, M. V., Walthier, J. H., Schramm, J., Sørensen, J. N., Davidson, L. & Rosendahl, L.
01/03/2007 → 04/04/2013
Project: PhD

High Precision Characterization of Active Oil Film Forces
Haugaard, M. A., Klit, P., Santos, I., Starke, J., Braun, M. J. & Lehtovaara, A.
01/03/2007 → 11/05/2011
Project: PhD

Resistance Welding of Micro-Components of Complex Geometries and Material Combinations
Friis, K. S., Bay, N. O., Somers, M. A. J., Pantleon, K., Klæstrup Kristensen, J. & Link, N. J.
01/03/2007 → 29/09/2010
**Vessel Performance Control**
01/03/2007 → 19/03/2015
Project: PhD

**Design and Optimization of an Integrated Biomass Gasification and Solid Oxide Fuel Cell System**
Bang-Møller, C., Rokni, M., Elmegaard, B., Henriksen, U. B., Hendriksen, P. V., Nielsen, M. P. & Sundén, B.
01/02/2007 → 29/09/2010
Project: PhD

**Modellering af skadeudvikling og brud i svejsninger**
01/01/2007 → 14/04/2010
Project: PhD

**Modellering og beregning af vindmøllegeær - Teori og eksperimental validering**
Pedersen, R., Santos, I., Hohle, A. C., Klit, P., Angeles, J. & Mahfoud, J.
01/01/2007 → 09/06/2010
Project: PhD

**Teaching, Studying and Learning : Undersøgelse af effekter og konsekvense af intensiv og aktiverende undervisning**
Christensen, H. P., Vigild, M. E., Horsewell, A., Thomsen, E. V. & Szabo, P.
01/01/2007 → 31/03/2009
Project

**Multiphase Flow Evaluation**
Kjærsgaard-Rasmussen, J., Meyer, K. E., Hallundbæk, J., Knudsen, K., Meyer, S. & Vauhkonen, M.
01/11/2006 → 30/09/2010
Project: PhD

**Optimering af formalingsteknologi i cementindustrien**
Jensen, L. R. D., Møller, P., Brockhoff, P. B., Friis, H., Jespersen, M., Nielsen, L. P., Johnsen, R. & Sandvik, K. L.
01/10/2006 → 20/01/2010
Project: PhD

**Stressforebyggelse i videnarbejdet : - mellem begejstring og belastning**
01/10/2006 → 31/12/2009
Project

**Two Stroke Diesel Engines for Large Ship Propulsion**
Haider, S., Meyer, K. E., Schramm, J., Sørensen, J. N., Revstedt, J. & Rosendahl, L.
01/10/2006 → 29/06/2011
Project: PhD

**Unconventional prime movers for large ships**
Haglind, F. & Carlsen, H.
01/10/2006 → 30/09/2010
Project

**Værktøjsteknologier til massefremstilling af metalliske komponenter**
Eriksen, R. S., Hansen, H. N., Arentoft, M., Bissacco, G., Bay, N. O., Engel, U. & Grønbæk, J.
01/10/2006 → 29/09/2010
Project: PhD
Advanced Anodising Technology (Avanceret Anodiserings Teknologi)
01/09/2006 → 06/01/2010
Project: PhD

Alloy development for overlay welding in waste incineration plants
Tiedje, N. S.
01/09/2006 → 31/08/2009
Project

Feasibility of Applying Active Lubrication Techniques to Internal Combustion Engines
01/09/2006 → 14/04/2010
Project: PhD

Propulsion of Ships in Waves
01/09/2006 → 02/12/2009
Project: PhD

Efficient solutions to the exact Laplace problem for nonlinear water waves
Engsig-Karup, A. P. & Bingham, H. B.
01/08/2006 → 15/08/2008
Project

Kinetics of Metal Dusting Corrosion of Fe-Ni-Cr(-Al) alloys
Hummelshøj, T. S., Somers, M. A. J., Appel, C. C., Christiansen, T. L., Panteleon, K., Grong, Ø. & Szakálos, P. K. M.
01/08/2006 → 09/06/2010
Project: PhD

Second International Symposium on Bifurcations and Instabilities in Fluid Dynamics
Brøns, M. & Sørensen, J. N.
01/08/2006 → 31/03/2007
Project

Thermomechanical Modelling and Optimization of Dynamic Process Conditions in Friction Stir Welding
01/07/2006 → 06/01/2010
Project: PhD

Numerical Procedures for Non-Linear Dynamics of Structures and Machinery
Risvig, S. & Krenk, S.
15/06/2006 → 01/08/2006
Project: PhD

Analyse og optimering af energisystemer baseret på en kombination af termodynamiske og fluidmekaniske beregningsmetoder
Markussen, W. B., Elmegaard, B., Carlsten, H., Hansen, M. O. L., Jakobsen, A., Sørensen, J. N., Palm, B. & Thybo, C.
01/06/2006 → 29/09/2010
Project: PhD

Homogeneous Charge Compression Ignition Engines
01/06/2006 → 11/05/2011
Wind Profiles above Forests
Bingöl, F., Sørensen, J. N., Mann, J., Mikkelsen, T. K., Chaviaropoulos, P. K. & Harris, M.
01/06/2006 → 24/03/2010
Project: PhD

Fuldskala demonstration af termoaktive konstruktioner : Fase 3: Demonstration, evaluering og formidling
Hummelshøj, R. M., Passov, F., Weitzmann, P. & Olesen, B. W.
01/03/2006 → 31/12/2008
Project

High temperature solder for MEMS packaging
01/02/2006 → 02/09/2009
Project: PhD

Topology Optimization of Surface Acoustic Wave Devices
Dühring, M. B., Sigmund, O., Jensen, J. S., Hansen, O., Maute, K. & Willatzen, M.
01/02/2006 → 21/10/2009
Project: PhD

Innovationsnetværk vedrørende integrerede lavenergiløsninger på bygningsområdet
Svendsen, S., Tommerup, H. M., Aggerholm, S., Olesen, B. W. & Heiselberg, P.
01/01/2006 → 30/06/2010
Project

Innovative Joining Processes Applying Integrated Modelling
Hattel, J. H., Bay, N. O., Somers, M. A. J., Bendsøe, M. P. & Tvergaard, V.
01/01/2006 → 31/12/2009
Project

Quality and values in the job
Jørgensen, M. S., Bilfeldt, A. & Meyer-Johansen, H.
01/01/2006 → 31/12/2008
Project

3D Modelling of Laminar-Turbulent Transition on Wind Turbine Blades
Martinez Hernandez, G. G., Sørensen, J. N., Shen, W. Z., Sørensen, N. N., Matsubara, M. & Olesen, N. A.
01/12/2005 → 09/11/2011
Project: PhD

Simulation and Control of Wind Turbine Flows using Vortex Generators
Velte, C. M., Hansen, M. O. L., George, W. K., Meyer, K. E., Larsen, P. S., Buchhave, P. & Stanislas, M.
01/12/2005 → 04/11/2009
Project: PhD

Theoretical Nano Scale Polymer Processing
Román Marín, J. M., Rasmussen, H. K., Hassager, O., Szabo, P., Eriksson, T. G. & Harlen, O. G.
01/11/2005 → 21/10/2009
Project: PhD

Center for metalliske mikroprodukter
Hansen, H. N., Bay, N. O. & Eriksen, R. S.
01/10/2005 → 30/09/2010
Project
Interaction between Seabed and Scour Protection
Dixen, M., Sumer, B. M., Fredsøe, J., Cheng, L. & Foster, D.
01/09/2005 → 06/03/2009
Project: PhD

Rapid Prototyping by Asymmetric Single Point Incremental Forming of Sheet Metal
Skjødt, M., Bay, N. O., Lenau, T. A., Hattel, J. H., Bariani, P. F. & Danckert, J.
01/09/2005 → 19/12/2008
Project: PhD

Research in System Deliveries within Construction
Hvam, L., Tølle, M. & Thomassen, M.
01/09/2005 → 01/03/2006
Project

Udvikling og afprøvning af motorkoncept optimeret til motordrift på forgasningsgas
Ahrenfeldt, J. & Henriksen, U. B.
01/09/2005 → 30/08/2008
Project

Antifouling surfaces
Chiang, W., Møller, P., Hilbert, L. R., Tolk-Nielsen, T., Ambat, R., Bjarnsholt, T. & Leisner, P.
01/08/2005 → 06/01/2010
Project: PhD

Manufacturing Imperfections in FRP Structures and their Influence on Buckling Behaviour
01/08/2005 → 31/07/2006
Project: PhD

SPACES-workshops : cipu
McAloone, T. C.
28/06/2005 → 01/07/2008
Project

Structural Analysis of Wind Trubines
Jensen, J. F. & Krenk, S.
01/05/2005 → 10/11/2006
Project: PhD

Estimering og forbedring af skades tolerance for komposit materiale
15/03/2005 → 06/03/2009
Project: PhD

Micro insert moulding
01/03/2005 → 29/08/2008
Project: PhD

Polymerer udsat for store deformationer
Lindgreen, B., Tvergaard, V., Richelsen, A. B., 25_NN_Studenter/Øvrige medarb. & Jensen, H. M.
01/03/2005 → 04/07/2008
Project: PhD
Two component micro injection moulding for moulded interconnect devices
01/03/2005 → 04/07/2008
Project: PhD

Measures to Reduce Oil Spill in Tanker Collisions
15/02/2005 → 09/03/2007
Project: PhD

Numerical Simulation of Wakes of Wind Turbines in Wind Farms
Troldborg, N., Sørensen, J. N., Mikkelsen, R. F., Hansen, M. O. L., Madsen, J. I. & Masson, C.
01/02/2005 → 12/01/2009
Project: PhD

Thermal and Indoor Air Quality Effects on Physiological Responses, Perception and Performance of Tropically Acclimatized People
Willem, H. C., Olesen, B. W. & Wargocki, P.
01/02/2005 → 27/12/2006
Project: PhD

Safety at Sea
Friis-Hansen, P. & Andersen, P.
10/01/2005 → 31/12/2007
Project

Simulation and control of Wind Turbine flows using Vortex Generators
Hansen, M. O. L. & Sørensen, J. N.
01/01/2005 → 31/12/2007
Project

STVF - Offshore wind power
Sørensen, J. N.
01/01/2005 → 31/12/2007
Project

Anvendelse af AIS data til vurdering af sejsikkerhed
Friis-Hansen, P. & Andersen, P.
17/12/2004 → 31/01/2005
Project

Findings and Literature regarding indoor Air Quality
Olesen, B. W.
12/12/2004 → 31/01/2005
Project

Cantion A/S
Kjær, C., Christensen, T. B. & Hein, L.
01/12/2004 → 31/12/2005
Project

Noise from Wind Turbines due to Inflow Turbulence
01/12/2004 → 27/01/2010
Project: PhD
Analyse af revner i store diselmotorer
Lucht, T., Tvergaard, V., Brøndsted, P., Jensen, S. H., Niordson, C. F., Maier, G. & Redanz, P.
01/10/2004 → 11/04/2008
Project: PhD

Building a Fast Time Numerical Navigator for Assessing Collision and Grounding Frequencies in a Given Navigational Area
Søborg, A. V., Friis-Hansen, P. & Blanke, M.
01/10/2004 → 31/05/2006
Project: PhD

Magnetisk kæling
01/10/2004 → 06/02/2008
Project: PhD

Topographic optimization of photonic crystals and application to ultra-small and ultra-fast optical signal processing devices
Asakawa, K., Sugimoto, Y., Watanabe, Y., Nakamura, S., Ishikawa, H., Awazu, K., Watanabe, A., Kristensen, M., Borel, P. I., Sigmund, O. & Baets, R.
01/10/2004 → 30/09/2006
Project

ALLHOME – A study on the Relation between Allergy/Asthma and Indoor Air Quality in Homes in Bulgaria
Melikov, A. K.
Project

Alternative Additiver
Henriksen, U. B. & Carlsen, H.
01/09/2004 → 31/12/2006
Project

GreenFuelCell
Carlsen, H. & Carlsen, H.
01/09/2004 → 31/08/2007
Project

In-process kvalitetskontrol og måling af mikrokomponenter
01/09/2004 → 13/05/2008
Project: PhD

Modellering af varmeafgivelse og emissioner fra dråbeforbrænding af multikomponentbrændstof i dieselmotorer
01/08/2004 → 06/01/2010
Project: PhD

Multi-sensor for indoor environment control (MUSIC)
Olesen, B. W.
01/07/2004 → 31/12/2004
Project

Stirlingmotorer, proces- og komponentforbedringer
Carlsen, H.
30/06/2004 → 28/06/2005
Project

Indoor Environmental Quality in the office-space
Olesen, B. W.
18/06/2004 → 31/10/2004
Project

DCAMM
Zhu, W. J., Shen, W. Z., Sørensen, J. N., Sørensen, N. N., Ekaterianris, I. A. & Thomsen, P. G.
01/06/2004 → 07/03/2008
Project: PhD

Indpasning af totrinsforgasser i et energisystem
Henriksen, U. B. & Carlsen, H.
25/05/2004 → 31/12/2006
Project

BIOCELLUS
Henriksen, U. B. & Carlsen, H.
30/04/2004 → 31/12/2006
Project

Brudmekanismer i kompositmaterialer - effekt af fiber/matrix grænsefladens mekaniske egenskaber
Østergaard, R. C., Tvergaard, V., Mikkelsen, L. P., Sørensen, B. F., Niordson, C. F., Jensen, H. M. & Östlund, S.
15/04/2004 → 11/04/2008
Project: PhD

Dynamic Heat Storage - DSM
Bøhm, B. & Carlsen, H.
01/04/2004 → 01/03/2005
Project

Thermonet EU
Henriksen, U. B. & Carlsen, H.
01/04/2004 → 31/12/2005
Project

Assessment of Thermal Environment in Aircraft Cabin
Melikov, A. K.
01/03/2004 → 30/11/2004
Project

Indoor Environmental Effects on Performance of School Work by Children
Wyon, D. P. & Sørensen, J. N.
01/03/2004 → 31/08/2005
Project

Pyrotar
Henriksen, U. B. & Carlsen, H.
01/03/2004 → 31/12/2006
Project

Ventilation
Langkilde, G. & Clausen, G.
01/03/2004 → 28/02/2007
Project
Experimental Contribution to the Problem of Model Parameter Identification in Rotating Machines via Active Magnetic Bearings
Kjølhede, K. K., Santos, I., Braun, M. J., Blanke, M. & Dmochowski, W. M.
01/02/2004 → 11/04/2008
Project: PhD

Kontrolleret vindmølle dynamik
Kallesøe, B. S., Thomsen, J. J., Hansen, M. H., Krenk, S., Chaviaropoulos, P. K. & Langthjem, M. A.
01/02/2004 → 15/08/2007
Project: PhD

Luftkvalitet og luftskifte for sunde boliger
Strøm-Tejsen, P., Wargocki, P., Olesen, B. W., Spengler, J. D., Holm, A. & Melikov, A. K.
01/02/2004 → 14/11/2007
Project: PhD

Maestruct
Jensen, J. J. & Andersen, P.
01/02/2004 → 28/02/2008
Project

Methods for Measurements of Ventilation in Homes, and Ventilation Requirements for Healthy Indoor Home Environments
01/02/2004 → 15/08/2007
Project: PhD

Dynamisk wakemodel til detaljeret aeroelastisk simulering af møller i parker
Okulov, V. & Sørensen, J. N.
01/01/2004 → 31/12/2006
Project

Modellering af statiske og transiente fænomener i en termostatisk ekspansionsventil anvendt i et kølekredsløb
01/01/2004 → 07/11/2007
Project: PhD

Prediction and Reduction of Noise from Wind Turbines
Sørensen, J. N.
01/01/2004 → 31/12/2007
Project

Program for forskning i anvendt aeroelasticitet
Sørensen, J. N.
01/01/2004 → 31/12/2004
Project

Smøring af stempelringe i store 2- og 4-takts dieselmotorer
Felter, C. L., Klit, P., Vølund, A., Thomsen, P. G., Eilts, P. & Fillon, M.
01/01/2004 → 31/08/2007
Project: PhD

Størrelsesseffekter i krystalplasticitet
01/01/2004 → 18/06/2007
Project: PhD
Topological design optimization of structures, machines and materials: IUTAM-SYMPOSIUM
Bendsøe, M. P., Sigmund, O. & Olofsson, N.
01/01/2004 → 31/12/2005
Project

Modelling of materials flow in thermomechanical material processes
Gjesing, R., Hattel, J. H., Hansen, P. N., Fritsching, U. W. & Pryds, N.
15/11/2003 → 07/03/2008
Project: PhD

PIV measurements in GCT scale model
Meyer, K. E. & Sørensen, J. N.
15/11/2003 → 31/08/2004
Project

Large-Eddy Simulation of atmospheric flow over complex terrain
Bechmann, A., Sørensen, J. N., Johansen, J., Mann, J., Sørensen, N. N., Bingham, H. B., Fuchs, L. & Gryning, S.
01/10/2003 → 15/08/2007
Project: PhD

Optimizing biomass gasification concept for efficient large-scale electricity production
01/10/2003 → 08/11/2007
Project: PhD

Promoting and Assisting Engineering Design Education in China
Hein, L.
01/10/2003 → 30/09/2006
Project

Indoping processes in large Diesel engines
Dam, B. S., Meyer, K. E., Mayer, S., Sørensen, S. C., Wachtmeister, G., Hjertager, B. H. & Westergaard, C. H.
Project: PhD

Modeling plasticity at the micron scale
Tvergaard, V.
01/09/2003 → 31/12/2006
Project

A Multidomain Spectral Method for Nonlinear Water Waves
Engsig-Karup, A. P., Madsen, P. A., Bingham, H. B., Thomsen, P. G. & Grue, J.
01/08/2003 → 02/01/2007
Project: PhD

Testing of energy-efficient light bulbs
Bøhm, B. & Carlsen, H.
01/08/2003 → 31/12/2004
Project

Structural Control and Passive Damping Mechanisms
Rüdinger, F. & Andersen, P.
01/08/2003 → 31/07/2005
Project
Tilting-Pad Thrust Bearings under Elasto-Thermo-Hydride Lubrication - Theory, Experiment and Industrial Application
Heinrichson, N., Santos, I., Egusquiza, E., Arghir, M. & Thomsen, K. K.
01/08/2003 → 25/06/2007
Project: PhD

Human Perception, SBS Symptoms and Performance of Office Work during Exposure to Air Polluted by Building Materials and Personal Computers
Bako Biro, Z., Fanger, P. O., Wargocki, P., Seppänen, O. & Sundell, J.
01/07/2003 → 29/10/2004
Project: PhD

Udvikling og kommercialisering af Maritime beslutningssystemer
Baatrup, J. & Andersen, P.
01/06/2003 → 07/06/2004
Project

Optimal Seat Control Algorithm
Melikov, A. K.
01/05/2003 → 30/11/2005
Project

Evaluation Prästmarken, Växjö
Bøhm, B. & Carlsen, H.
30/04/2003 → 30/04/2004
Project

DeSiK Design af Indirekte Køleanlæg
Knudsen, H. H. & Carlsen, H.
01/04/2003 → 31/03/2005
Project

Langtidsundersøgelser af totrinsforgasser
Henriksen, U. B. & Carlsen, H.
01/04/2003 → 30/06/2005
Project

Stirling K Plus
Carlsen, H.
01/04/2003 → 31/03/2005
Project

MOBE
Houbak, N. & Carlsen, H.
24/02/2003 → 30/09/2006
Project

Kokspartiklers nedbrydning under termisk omsætning
Hindsgaul, C., Qvale, E. B., Henriksen, U. B., Jensen, A. D., Johnsson, J. E., Hustad, J. E. & Teislev, B. I. B.
15/02/2003 → 09/03/2007
Project: PhD

Aeroakustisk modellering af støjudbredelse fra vindmøllevede
Heilskov, N. F. & Sørensen, J. N.
01/02/2003 → 28/05/2008
Project: PhD
Biostøvning
Henriksen, U. B. & Carlsen, H.
01/02/2003 → 31/12/2004
Project

LES-beregninger for industrielle strømninger
Cavar, D., Meyer, K. E., Davidson, L., Bingham, H. B. & Sørensen, N. N.
01/02/2003 → 16/04/2007
Project: PhD

Teri technology development India
Henriksen, U. B. & Carlsen, H.
01/02/2003 → 31/07/2004
Project

EFP-2002 Aeroelastisk integreret vindmøllestyring
Øye, S. & Sørensen, J. N.
01/01/2003 → 31/12/2004
Project

Fonon
Sigmund, O. & Tvergaard, V.
01/01/2003 → 31/12/2005
Project

Indoor Particles
Tamás, G., Fanger, P. O., Toftum, J., Weschler, C. J., D'Angelo, G. & Olesen, B. W.
01/01/2003 → 30/06/2006
Project: PhD

Metal Release by Corrosion and Wear in the Food Industry
01/01/2003 → 01/01/2007
Project

EFP - 2002, Vind
Sørensen, J. N.
10/12/2002 → 31/12/2002
Project

SPACES
Jørgensen, U., Clausen, C., Broberg, O., Jørgensen, M. S., Yoshinaka, Y., Lindegaard, H., Lenau, T. A. & McAlonee, T. C.
01/12/2002 → 01/12/2007
Project

Boeing
Wyon, D. P. & Clausen, G.
21/11/2002 → 28/10/2005
Project

Ship Propeller Cavitation
Boudant, P. & Andersen, P.
15/10/2002 → 28/02/2003
Project: PhD
**EXAUSTO**
Fanger, P. O. & Clausen, G.
04/10/2002 → 31/10/2004
Project

**Pulverforbrænding til Stirlingmotor**
Carlsen, H.
19/09/2002 → 31/12/2004
Project

**Human response to Personalized Ventilation**
Melikov, A. K.
01/09/2002 → 30/11/2005
Project

**Comfort requirements for heat flow to/from vehicle seats**
Fanger, P. O. & Clausen, G.
01/09/2002 → 31/12/2002
Project

**Modelling of Dampers and Damping in structures**
01/09/2002 → 22/05/2006
Project: PhD

**Numerisk simulering af cykliske termodynamiske processer**
Andersen, S. K., Carlsen, H., Thomsen, P. G., Houbak, N., Skelboe, S. & Thomas, B.
01/09/2002 → 08/09/2006
Project: PhD

**Experimental Investigation of Turbulence Structures in Wave Boundary Layers**
01/08/2002 → 30/06/2006
Project: PhD

**Composite/Hybrid modelling in coastal and ocean engineering**
01/07/2002 → 31/03/2006
Project: PhD

**Leading Edge**
Andersen, P.
01/07/2002 → 31/08/2005
Project

**Sensation of "Dryness" humidity of air, comfort and health**
01/07/2002 → 02/02/2006
Project: PhD

**Grant and Equipment Loan Agreement**
Fanger, P. O. & Clausen, G.
30/06/2002 → 09/10/2002
Project
Videncentret for termisk forgasning og slutkonvertering af biomasse til el og varme
Carlsen, H. & Carstensen, S.
22/04/2002 → ...
Project

Hydroelastic Response of Ships
01/03/2002 → 28/09/2005
Project: PhD

Monitorering og beslutningsstøtte for skibes sødygtighed
01/03/2002 → 28/09/2005
Project: PhD

Strength of Composite Structures in Compression
Rasmussen, J., Cerup-Simonsen, B. & Pedersen, P. T.
01/03/2002 → 01/10/2003
Project: PhD

En 3D Vindsimulator til bestemmelse af ekstremlaster og udmattelseslaster
Hansen, K. S. & Sørensen, J. N.
14/01/2002 → 31/12/2002
Project

KNOW-BLADE
Hansen, M. O. L. & Sørensen, J. N.
07/01/2002 → 30/11/2004
Project

AFFORHD
Sorensen, S. C. & Carlsen, H.
01/01/2002 → 01/01/2005
Project

SYNOPSIS : Udredningsarbejde vedrørende et rammesystem for Integreret Innovation i Produkt-, System- og Serviceudvikling
01/01/2002 → 31/12/2004
Project

MEXICO
Sørensen, J. N.
21/12/2001 → 31/12/2003
Project

Smart indpakning af fiber lasere
Voxen, L. H., Sigmund, O., Pedersen, J. E., Poulsen, C., Thomsen, J. J., Santos, I., Hald, J. & Tinnsten, M.
01/12/2001 → 18/05/2005
Project: PhD

Program for forskning i aeroelasticitet 2001-2002
Sørensen, J. N.
23/10/2001 → 31/12/2003
Project
Design and Implementation of Automatic Control in High Efficiency Tractors for Agricultural Applications
Christensen, R. H., Santos, I., Klit, P., Blanke, M., Keogh, P. S. & Nordmann, R.
01/09/2001 → 11/02/2005
Project: PhD

Simulation and Analysis of Roller Chain Drive Systems
01/09/2001 → 23/03/2005
Project: PhD

Design Strategies for Personalized Ventilation Systems
Cermak, R., Melikov, A. K., Nielsen, P. V., Kato, S. & Olesen, B. W.
01/08/2001 → 20/10/2004
Project: PhD

Motordrift på forgasningsgas
01/07/2001 → 06/02/2008
Project: PhD

Numerical techniques for solving Boussinesq equations for fully nonlinear and extremely dispersive water waves
01/06/2001 → 27/10/2004
Project: PhD

S@S Safety at Speed
Jensen, J. J. & Andersen, P.
14/05/2001 → 14/05/2004
Project

LIMAS
Sumer, B. M. & Fredsøe, J.
07/05/2001 → 29/06/2004
Project

Modellering af modstrømsforgasser EFP 2001
Henriksen, U. B. & Carlsen, H.
07/05/2001 → 31/12/2003
Project

Modellering af trinopdelt forgasning EFP-2001
Henriksen, U. B. & Carlsen, H.
07/05/2001 → 31/12/2004
Project

Comfort Monitoring System for High Speed Passenger Ferries
Folsø, R., Jensen, J. J., Baatrup, J., Birmingham, R. & Petersen, J. B.
01/05/2001 → 01/11/2004
Project: PhD

Belastningsudjævning og driftsoptimering FJV
Bøhm, B. & Carlsen, H.
22/04/2001 → 31/12/2004
Project
Dampblade
Hansen, M. O. L. & Sørensen, J. N.
06/04/2001 → 31/03/2004
Project

Aerodynamisk modellering af vindmøllevinge
Reck, M., Hansen, M. O. L., Michelsen, J., Sørensen, J. N., Thomsen, P. G., Fuchs, L. & Sørensen, N. N.
01/04/2001 → 28/09/2005
Project: PhD

Application of conditional waves as critical episodes for extreme loads on marine structures
Dietz, J. S., Friis-Hansen, P., Jensen, J. J., Pedersen, P. T., Moan, T. & Torhaug, R.
01/04/2001 → 21/01/2005
Project: PhD

DELOS
Fredsøe, J.
02/03/2001 → 31/03/2004
Project

HUMOR
Deigaard, R. & Fredsøe, J.
02/03/2001 → 31/03/2004
Project

Indflydelse af anisotropi plasticitet på brudmekanik
Legarth, B. N., Tvergaard, V., Krenk, S., Jensen, H. M. & Lemaitre, J.
01/02/2001 → 05/07/2004
Project: PhD

Micro Total Analysis Systems
Sørensen, J. N.
08/01/2001 → 01/08/2005
Project

Syntese af produktarkitekturer
01/01/2001 → 08/11/2006
Project: PhD

WAsP-Engineering (WEng) Courses
Nielsen, M., Kelly, M. C., Berg, J., Sempreviva, A. M., Ejsing Jørgensen, H. & Mann, J.
01/01/2001 → 31/12/2017
Project

SYNOPSIS
Jørgensen, U., Clausen, C., Yoshinaka, Y. & McAloone, T. C.
01/12/2000 → 01/06/2006
Project

Small-scale chp plant on a hermitic four cylinder Stirling engine for biomass fuels
Carlsen, H.
13/10/2000 → 31/12/2004
Project
Strukturel design af vægkritiske konstruktioner
01/09/2000 → 21/01/2005
Project: PhD

Strømning i industrielle procesanlæg
15/08/2000 → 12/02/2004
Project: PhD

Air Pollutant Emissions from Rail and Ship Transport
01/08/2000 → 26/02/2004
Project: PhD

Implementering af en procesmodel til identifikation, styring og simulering af lysbuesvejseprocessen ved anvendelse af kunstig intelligens
Christensen, K. H., Sørensen, T., Klastrup Kristensen, J., Holm, H., Bro, C. & Lucas, W.
01/08/2000 → 26/02/2004
Project: PhD

Personalized ventilation
Kaczmarczyk, J., Melikov, A. K., Fanger, P. O., Holmér, I. & Toftum, J.
01/08/2000 → 21/10/2003
Project: PhD

Effect of Anisotropic Plasticity on Frac
Tvergaard, V.
28/07/2000 → 31/12/2004
Project

MONITUS
Jensen, J. J. & Andersen, P.
10/07/2000 → 28/02/2005
Project

Limiting Criteria for Human Exposure to Low Humidity
Fanger, P. O. & Clausen, G.
18/05/2000 → 31/12/2003
Project

Crashcoaster
Pedersen, P. T. & Andersen, P.
01/05/2000 → 01/05/2004
Project

Flow Boiling of Pure and Oil Contaminated Carbon Dioxide as Refrigerant With focus on heat transfer and pressure drop
Mohamed Hassan, M. A., Knudsen, H. H., Paul, J., Radwan, M. S. & Rasmussen, B. D.
01/05/2000 → 02/02/2004
Project: PhD

Measurement and modelling of stress distributions and failure in finite structures
Jensen, H. M., Somers, M. A. J. & Horsewell, A.
01/05/2000 → 01/01/9999
Project
Design of crashworthy ship structures
Toernqvist, R., Pedersen, P. T., Cerup-Simonsen, B., Jensen, J. J., Atkins, T. & Langseth, M.
15/03/2000 → 23/10/2003
Project: PhD

HARDER
Jensen, J. J. & Andersen, P.
07/03/2000 → 31/05/2003
Project

Stor-skala kystmorfológisk modellering
Petersen, D. P., Deigaard, R. & Fredsøe, J.
01/03/2000 → 31/12/2002
Project: PhD

Kyst- og tidevandsløb
Deigaard, R. & Fredsøe, J.
11/02/2000 → 01/12/2005
Project

Måling af turbulens og strømningsstrukturer med PIV
01/02/2000 → 27/06/2003
Project: PhD

Smøring og slid ved anvendelse af dimetylæter (DME) i dieselmotorer
01/02/2000 → 02/12/2003
Project: PhD

ARTEMIS
Sörensen, S. C. & Carlsen, H.
28/01/2000 → 31/03/2005
Project

Identifikation ved dybtrækning
Dornonville de la Cour, D., Pedersen, P., Olhoff, N., Nielsen, K. B. & Ottosen, N. S.
01/01/2000 → 20/01/2004
Project: PhD

Product/service-systems
McAlloone, T. C., Andreasen, M. M., Tan, A. R., Matzen, D. & Bey, N.
01/01/2000 → 01/01/2014
Project

Probabilistic Concept for Assessing the Damage Stability of Ships
Ravn, E. S., Jensen, J. J., Baatrup, J., Kristensen, H. O. H. & Papanikolaou, A. D.
01/12/1999 → 15/10/2003
Project: PhD

Vinddatabase
Hansen, K. S. & Sørensen, J. N.
26/11/1999 → ...
Project
Damping generated by local pulse like energy dissipation
Lazarov, B. S., Ditlevsen, O. D., Friis-Hansen, P., Lindgren, G. & Næss, A.
15/11/1999 → 27/06/2003
Project: PhD

Fluid morfologi
01/10/1999 → 26/03/2004
Project: PhD

Matematisk/numerisk modellering af uregelmæssige ikke-lineære vandbølger
01/10/1999 → 28/03/2003
Project: PhD

Ikke-lokal modellering af materialer
Niordson, C. F., Tvergaard, V., Jensen, H. M., Fleck, N. A. & Sørensen, N. J.
01/09/1999 → 14/01/2003
Project: PhD

Modellering og regulering af fordampere
01/09/1999 → 15/10/2003
Project: PhD

Numerical modelling of scour protection layer
Truelsen, C., Sumer, B. M., Fredsøe, J., Brørs, B. & Whitehouse, R. J. S.
01/09/1999 → 10/04/2003
Project: PhD

Topology optimization of non-linear compliant systems
Buhl, T., Pedersen, P., Sigmund, O., Olhoff, N., Bestle, D. & Bletzinger, K.
01/09/1999 → 18/02/2003
Project: PhD

Development and design of pressure control valves for oil hydraulic systems.
Conrad, F. & Stecki, J.
01/08/1999 → 31/12/2001
Project

Incompressible Boundary Layer Instability and Transition
Hjort, S., Sørensen, J. N., Michelsen, J., Thomsen, P. G., Henningsson, D. & Sørensen, N. N.
01/07/1999 → 15/09/2004
Project: PhD

Topology Optimization of Non-linear Structures
01/07/1999 → 18/11/2002
Project: PhD

Bestemmelse af bølge overskylinger på skibe
Nielsen, K. B., Jensen, J. J., Andersen, P., Mayer, S., Sørensen, J. N., Buchner, B. & Christensen, E. D.
01/06/1999 → 21/10/2003
Project: PhD
Computational Hydrodynamics / rammeprogram
Madsen, P. A. & Cerup-Simonsen, B.
26/04/1999 → 31/12/2006
Project

FREJA materialemodeller
Richelsen, A. B. & Tvergaard, V.
20/04/1999 → 31/12/2004
Project

Minimering af friktionstab i 2-takt skibsdieselmotor
01/04/1999 → 06/12/2002
Project: PhD

Computational Hydrodynamics
Fredsøe, J.
11/03/1999 → 31/12/2006
Project

Model af traditionel medstrømsfogasser
Henriksen, U. B. & Carlsen, H.
02/02/1999 → 31/12/2002
Project

Rational design of light-weight structures for accidental loads
Urban, J., Cerup-Simonsen, B., Pedersen, P. T., Jensen, J. J., Abramowicz, W. & Amdahl, J.
01/02/1999 → 16/07/2003
Project: PhD

Wave boundary layer over a porous bed
Buxbom, I. P., Sumer, B. M., Christensen, E. D., Fredsøe, J., Hansen, M. O. L., Davies, A. & Myrhaug, D.
01/02/1999 → 02/12/2003
Project: PhD

Strømning og erosion omkring moler
Gislason, K., Fredsøe, J., Sumer, B. M., Madsen, P. A., Hansen, E. A. & Losada, M.
01/01/1999 → 15/10/2003
Project: PhD

Dual fuel Brændersimulering
Hostrup, A. J. K. & Houbak, N.
15/12/1998 → 31/05/2001
Project: PhD

Køleprofessor
Paul, J. & Carlsen, H.
14/12/1998 → 12/05/2005
Project

Accidental load modelling for ship structures
Lützen, M., Pedersen, P. T., Jensen, J. J., Kristensen, H. O. H. & Papanikolaou, A. D.
01/09/1998 → 30/05/2002
Project: PhD
Modelling and estimation of damping in non-linear random vibration
01/09/1998 → 18/02/2003
Project: PhD

Multi-scale Representations in Design Optimization
Poulsen, T. A., Sigmund, O., Bendsøe, M. P., Pedersen, P., Lund, E., Petersson, J. & Soto, C. A.
01/09/1998 → 12/07/2002
Project: PhD

Aeroelsatisk analyse af vindmøllerotor
01/08/1998 → 05/12/2002
Project: PhD

Simulering af DME forbrænding i Dieselmotorer
Bek, B. H. & Sorenson, S. C.
01/08/1998 → 11/01/2005
Project: PhD

Kulbrinteemmisioner fra naturgasmotorer
01/06/1998 → 24/05/2002
Project: PhD

Aerodynamisk modellering af vindmøller
Mikkelsen, R. F., Sørensen, J. N., Andersen, P., Aagaard Madsen, H. & Masson, C.
01/05/1998 → 12/02/2004
Project: PhD

Skibspropellere i medstrømsfelt
Olsen, A. S., Andersen, P., Sørensen, J. N., Andersen, S. V. & Rutgersson, O.
01/05/1998 → 09/07/2002
Project: PhD

Ventilationsfiltres indflydelse på den oplevede luftkvalitet
Aim, O. M., Fanger, P. O., Clausen, G., Olesen, B. W., Pejtersen, J. & Sundell, J.
01/05/1998 → 03/12/2001
Project: PhD

Biologiske smøreolier
Schramm, J. & Carlsen, H.
26/03/1998 → 31/12/2004
Project

Damping Mechanisms in Dynamics
Krenk, S. & Andersen, P.
20/03/1998 → 31/12/2005
Project

Indflydelse af samtidig påvirkning af termisk, akustisk og atmosfærisk indeklima på menneskers komfort og produktivitet
Witterseh, T., Fanger, P. O., Clausen, G., Olesen, B. W., Mølhave, L. & Sundell, J.
01/02/1998 → 23/07/2001
Project: PhD
Prediction and handling of accidental loads on ships
Friis-Hansen, A., Friis-Hansen, P., Pedersen, P. T., Jensen, J. J., Bierager, P. & Sørensen, J. D.
01/02/1998 → 20/09/2001
Project: PhD

Material mechanics and micromechanics
Tvergaard, V., Needleman, A. & van der Giessen, E.
01/01/1998 → 31/12/1999
Project

3D-roughness standards SMT4-CT97-2176
De Chiffre, L., Andreasen, J. L. & Malberg, M. P. S.
01/12/1997 → 30/11/2000
Project

Forbedret hydrodynamiske grundlag for konstruktion og analyse af propellere med ukonventionel geometri
Krishnaswamy, P., Andersen, P., Sørensen, J. N., Andersen, S. V. & Göran, B.
01/10/1997 → 09/04/2001
Project: PhD

Objekt-orienteret simuleringsværktøj til dynamisk simulering af energitekniske systemer
Wagner, F. J., Houbak, N., Thomsen, P. G., Madsen, H. & Mølbak, T.
01/10/1997 → 02/10/2001
Project: PhD

Undersøgelse af strømningsstrukturer i punpegeometrier ved anvendelse af PIV og LES
Pedersen, N., Larsen, P. S. & Sørensen, J. N.
01/09/1997 → 09/04/2001
Project: PhD

Morfologisk modellering i brændingszonen
Drønen, N. K., Deigaard, R., Zyserman, J. A., Holman, R. A. & Stlve, M.
01/07/1997 → 27/03/2002
Project: PhD

Development of Product families
Pedersen, P. E. E. & Andreasen, M. M.
01/06/1997 → 01/12/2002
Project: PhD

Residualspændinger i varmvalsed plader
01/06/1997 → 28/03/2001
Project: PhD

Intermediate Scale Coastal Behaviour (NICOP)
Deigaard, R., Fredsøe, J. & Drønen, N. K.
01/05/1997 → 30/04/2001
Project

3-dimensional struktur i bølgenoucerede strømninger
Frederiksen, J. H., Deigaard, R. & Mayer, S.
01/04/1997 → 01/12/2000
Project: PhD
Computational and Experimental Prediction of Indoor Environmental Quality
Voigt, L. P. K., Sørensen, J. N., Melikov, A. K., Nielsen, P. V., Clausen, G., Davidson, L. & Olesen, B. W.
01/04/1997 → 15/03/2002
Project: PhD

EFFORTS - Enhanced framework for forging design using reliable three-dimensional simulation
01/04/1997 → 31/03/2000
Project

Shoreface Sedimenttransport
Madsen, E. Ø., Fredsøe, J., Deigaard, R., Foster, D. & Frien, H. J. D.
01/04/1997 → 21/09/2001
Project: PhD

Undersøgelse af Strømning
Rasmussen, C. & Houbak, N.
01/03/1997 → 15/01/1998
Project: PhD

Forbedret beskrivelse af skibes ...
Simonsen, C. D., Andersen, P. & Sørensen, J. N.
01/02/1997 → 21/06/2000
Project: PhD

Modular engineering for production plants
01/02/1997 → 01/01/2001
Project: PhD

Multi-Parameter Linear Periodic Systems, Stability Analysis and Applications
Pedersen, P., Solem, F. & Seyranian, A. P.
01/02/1997 → 01/01/9999
Project

Plate Forming by Line Heating
Clausen, H. B., Jensen, J. J., Hattel, J. H. & Sørensen, H.
01/02/1997 → 25/09/2000
Project: PhD

Field investigations of transport and fate of pesticides in a sandy aquifer
01/01/1997 → 31/12/2000
Project

Modelling of multipass rolling
Richelsen, A. B.
01/01/1997 → 31/01/1999
Project

MERIP - Human Resources in Production
Jacobsen, P. & Barfod, A.
01/11/1996 → 01/11/2000
MERIP - Human Resources in Production
01/11/1996 → 01/11/2000

Computersimuleringer og fysiske overvejelser i granulære mediers stokastiske mekanik
01/10/1996 → 10/01/2002

Styring og diagnostisering af ikke lineære systemer
Jensen, K. & Christensen, G. K.
01/10/1996 → 01/10/1996

Udvikling af metoder og systemer til planlægning og styring af decentraler kraftvarmeværker
Pálsson, H., Behm, B., Houbak, N. & Morthorst, P. E.
01/10/1996 → 27/07/2000

Fluid-Structure interaction
Hansen, M. H., Thomsen, J. J., Sørensen, J. N. & Jensen, J. J.
01/09/1996 → 17/12/1999

Hydroelasticity of high speed ships
Wang, Z. & Jensen, J. J.
01/09/1996 → 27/07/2000

Simulering og identifikation af strukturer i komplexe fluidstrømninger
Jørgensen, B. H., Sørensen, J. N., Brøns, M., Larsen, R., Meyer, K. E., Mann, J. & Veldman, A.
01/09/1996 → 26/03/2000

Mathematical/Numerical modelling of 3D-flow and scour around marine structures
01/08/1996 → 15/09/2000

Numerisk simulering af industrielle strømninger
Myllerup, L., Larsen, P. S. & Hansen, M. O. L.
01/07/1996 → 30/03/2001

Simulation of multi-phase and reactive transport in heterogeneous aquifers
Engesgaard, P. K. & Skovdal Christiansen, J.
01/07/1996 → 31/12/1999

The Mechanics of Ship Collisions
Zhang, S., Pedersen, P. T. & Jensen, J. J.
01/07/1996 → 21/06/1999
Development of End-fitting for the NKT Flexible Pipe  
Banke, L.  
01/05/1996 → 31/10/1999  
Project

Social Learning in Multimedia  
Hansen, F. J. S., Clausen, C., Jæger, B. & Williams, R.  
01/05/1996 → 31/10/1998  
Project

Udvikling af endeafslutning til NKT’s fleksible rør  
Banke, L., Jensen, J. J., Berge, S. & Klit, P.  
01/05/1996 → 07/03/2000  
Project: PhD

3-D flodmorologi  
Christensen, H. B., Fredsøe, J. & Sumer, B. M.  
01/03/1996 → 26/03/2000  
Project: PhD

Cybernetic modelling and control in intelligent manufacturing  
Flyvholm, M. & Conrad, F.  
01/03/1996 → 01/09/1996  
Project: PhD

Kraftværkers dynamiske forhold  
Elmegaard, B., Houbak, N. & Mølbak, T.  
01/03/1996 → 27/01/2000  
Project: PhD

Akustisk hastighedsåring i 3 dimensioner  
01/02/1996 → 06/03/2001  
Project: PhD

En tredimensional Anden Ordens Randintegralligningsmodel for bølger og strøm m.v.  
Büchmann, B., Deigaard, R., Skourup, J. & Brorsen, M. C.  
01/02/1996 → 28/10/1999  
Project: PhD

Hydrodynamiske påvirkninger på skibe  
Pedersen, T. & Jensen, J. J.  
01/02/1996 → 02/03/2000  
Project: PhD

Modellering af biomaterialer ved analyse/design af proteser  
Bagge, M., Bendsøe, M. P. & Olhoff, N.  
01/02/1996 → 21/06/1999  
Project: PhD

Modelling of Nonlinear Dynamical System  
Zhou, J. & Kroszynski, U.  
01/02/1996 → 31/12/1998  
Project
Nonlinear Fluid
Jensen, J. S., Thomsen, J. J., Blekhman, I., Brøns, M. & Olhoff, N.
01/02/1996 → 21/06/1999
Project: PhD

Simulering af svejsedeformationer i skibssektioner
Birk-Sørensen, M., Jensen, J. J., Kierkegaard, H. & Hattel, J. H.
01/02/1996 → 10/08/1999
Project: PhD

Turbulensmodelering
Bak, C. & Sørensen, J. N.
01/02/1996 → 01/02/1996
Project: PhD

Actuator-disk model for wind turbine (EFP)
Sørensen, J. N.
01/01/1996 → …
Project

Code calibration
Friis-Hansen, P. & Thayamballi, A. K.
01/01/1996 → 31/12/1999
Project

Database on wind characteristics
Hansen, K. S.
01/01/1996 → 31/10/1998
Project

Fracture of ductile materials
Tvergaard, V., Hutchinson, J. W., Needleman, A. & Mathur, K.
01/01/1996 → 31/12/1996
Project

Morphology of ripples beneath surface waves
Fredsøe, J., Andersen, K. H. & Bohr, T.
01/01/1996 → 01/01/9999
Project

Open Modular Robot Controller (OMRC)
Sørensen, T.
01/01/1996 → 01/01/9999
Project

The integration of systems in customer order management in small and medium-size companies.
Barfod, A., Hvolby, H. & Riis, J. O.
01/01/1996 → 31/12/1996
Project

Modellering af luftkvalitet i bygninger og køretøjer
Gholami, S. & Fanger, P. O.
01/12/1995 → 22/03/2000
Project: PhD
Luftkvalitet i kontorbygninger  
Nielsen, J. B., Fanger, P. O. & Andersen, K. T.  
01/11/1995 → 19/08/1996  
Project: PhD

Numerisk og Eksperimentel Fluid Mekanik  
Ullum, U., Larsen, P. S. & Sumer, B. M.  
01/11/1995 → 27/10/1999  
Project: PhD

Cylkisk plasticitet og udmattelse af værkstøjsmaterialer  
Pedersen, T. Ø., Tvergaard, V., Christoffersen, J. & Ottosen, N. S.  
01/10/1995 → 05/02/1999  
Project: PhD

Turbulensmodellering for strømninger omkring profiler og vinger  
Johansen, J., Sørensen, J. N., Aagaard Madsen, H., Hansen, M. O. L. & Sumer, B. M.  
01/10/1995 → 19/10/1999  
Project: PhD

Modelling and Control of Machinery in Agriculture  
Sørensen, H. L., Conrad, F. & Christensen, G. K.  
01/09/1995 → 27/07/2000  
Project: PhD

Structural studies of inorganic materials  
Ståhl, K., Nielsen, K., Artioli, G., Hansen, S., Albertsson, J., Johnsen, O., Hansen, J., Fehrmann, R., Eriksen, K. M. & Jiang, J.  
01/09/1995 → …  
Project

Arbejdsformer i produktudviklingen  
Terkelsen, S. B., Andreasen, M. M. & Riis, J. O.  
01/08/1995 → 31/01/1999  
Project: PhD

Systematisk fremgangsmåde ved modellering og simulering af køleanlæg  
Skovrup, M. J., Knudsen, H. H. & Thomsen, P. G.  
01/08/1995 → 09/04/2001  
Project: PhD

Udvikling og integration af værkstøjer til en designers workbench  
01/06/1995 → 06/01/2000  
Project: PhD

Human Thermal Sen  
Zhou, G. & Fanger, P. O.  
01/05/1995 → 18/10/1999  
Project: PhD

Belastninger på maritime konstruktioner bestemt ved stokastisk ikke-lineær bølgeteori  
Kristensen, M. K., Aage, C., Jensen, J. J. & Skourup, J.  
01/04/1995 → 01/06/1997  
Project: PhD
Ikke-stationære turbulente strømninger og sedimenttransport
Hjelmager Jensen, J., Fredsøe, J., Hansen, E. A. & Sumer, B. M.
01/04/1995 → 26/02/1999
Project: PhD

Design and Modelling of Production Systems
Jacobsen, P. & Barfod, A.
01/03/1995 → 01/03/1998
Project

EPOS: Efficient Parallel algorithms for Optimization and Simulation
Madsen, K., Clausen, J., Barker, V. A., Hansen, P. C., Madsen, O. B., Nielsen, H. B., Thomsen, P. G., Sørensen, J. N.,
Wasniewski, J. & Caprani, O.
03/02/1995 → …
Project

Design og optimering af komplekse mekaniske systemer
Pedersen, N. L., Hansen, J. M., Bendsøe, M. P. & Olhoff, N.
01/02/1995 → 20/04/1998
Project: PhD

Failure of a porous solid from a deep notch
Tvergaard, V., Redanz, P., Fleck, N. A. & McMeeking, R. M.
01/02/1995 → 31/01/1998
Project

Identifikation og styring af ulineære dynamiske systemer
Izadi-Zamanabadi, R. & Christensen, G. K.
01/02/1995 → 01/02/1995
Project: PhD

Modellering af emnefremstilling ved pulvermetallurgisk komprimering
Redanz, P., Tvergaard, V., Byskov, E. & Danckert, J.
01/02/1995 → 09/07/1998
Project: PhD

Modelling the impact of air pollutant atmospheres on human response and emissions from materials
Wargocki, P. & Fanger, P. O.
01/02/1995 → 01/03/1999
Project: PhD

Study and development of a design management method for selection of design tools according to context
De Araujo, C. S. & Andreasen, M. M.
01/02/1995 → 24/01/2001
Project: PhD

Systematisk syntese og optimering af mekanismer
01/02/1995 → 20/04/1998
Project: PhD

DIMEC Danish InfoMechatronic Control Design.
23/01/1995 → 31/12/1996
Project
Skibstekniske beregninger for fortidens skibe
Jensen, V., Baatrup, J. & Jensen, J. J.
01/01/1995 → 20/10/1999
Project: PhD

Udvikling af beregningsmodel for dannelse af luftforurening og spredning ved turbulent luftstrømning i arbejdslokaler
Lennert, A. S., Larsen, P. S., Sørensen, A. & Sørensen, J. N.
01/01/1995 → 03/06/1998
Project: PhD

Sammenhængen mellem aluminiums mikrostruktur, styrkeegenskaber og plastiske formgivning
Falk, J., Tvergaard, V., Bay, B. & Richelsen, A. B.
01/12/1994 → 15/11/1996
Project: PhD

Strukturudvikling og mekanismer for udmattelse af polykrystallinsk messing
Carstensen, J. V., Tvergaard, V. & Maahn, E. E.
01/10/1994 → 30/09/1998
Project: PhD

Ultimate and post-ultimate strength of ship hulls under bending, shear and torsional loading
Nielsen, L. P., Pedersen, P. T. & Jensen, J. J.
01/10/1994 → 11/01/1999
Project: PhD

Analysis and Optimization of the progressive damage in fiber-reinforced materials
Pedersen, P., Hammer, V. B. & Bendsøe, M. P.
01/09/1994 → 31/01/1997
Project

Parametrization in Laminate Design for Optimal Compliance
Pedersen, P., Hammer, V. B. & Bendsøe, M. P.
01/09/1994 → 31/01/1997
Project

Probabilistisk udmattelsesanalyse af typiske samlinger mellem stivere og webrammer
Andersen, M. R., Pedersen, P. T., Jensen, J. J. & Jensen, J. J.
01/09/1994 → 20/04/1998
Project: PhD

Identifikation af modelleringsfejl ved dynamiske analyser
Hansen, H. H., Pedersen, P. & Olhoff, N.
01/08/1994 → 16/07/1997
Project: PhD

Smøreoliefilmmodel for forbrændingsmotorer
Frølund, K., Sorenson, S. C., Schramm, J., Carlsen, H., Denbratt, I. & Henningsen, S.
Project: PhD

MUP2 - Resistance projection welding of complex welding of complex metal combinations and geometries
Bay, N. O., Malberg, M. P. & Zhang, W.
01/07/1994 → 31/12/1997
Project
A Conditional Mean Second Order Wave Theory
Jensen, J. J., Kristensen, M. K., Baatrup, J. & Mansour, A. E.
01/06/1994 → 31/12/1999
Project

Anvendelsesvenlig Konstruktion (Design for Usability)
Nielsen, P. K., Andreasen, M. M. & Pedersen, F. M.
01/06/1994 → 22/11/1999
Project: PhD

Impact of Temperature and Humidity on Perceived Indoor Air Quality
Fang, L. & Fanger, P. O.
01/06/1994 → 10/07/1998
Project: PhD

Mekanisk interaktion imellem katalysator og reaktor for kemiske reaktorer
Vestergaard, R., Tvergaard, V., Christoffersen, J., Hansen, B. B. & Runnesson, K.
01/06/1994 → 07/01/1998
Project: PhD

MUP2 - Center for Structural Materials - MP2M - Materials processing, Properties and Modelling
Bay, N. O., Arentoft, M., Bjerregaard, H., Eriksen, M., Gjørgsvang, H. H., Ravn, B. G., Hansen, S. F., Frandsen, J. O.,
Hansen, J. L., Hattel, J. H., Henningsen, P., Lassen, S., Lindegren, M., Malberg, M. P., Nielsen, L. S., Post-Pedersen, B.,
01/05/1994 → 28/02/1999
Project

Løsning af Navier-Stokes ligninger for viskos, turbulent strømning omkring skibsskrog
Olesen, N. A., Baatrup, J., Michelsen, J., Jensen, P. S. & Larsen, P. S.
01/04/1994 → 27/11/1997
Project: PhD

Rengøringsteknologi
Pinholt, P. & Andreasen, M. M.
01/04/1994 → 15/01/1997
Project: PhD

Optimalt design of laminater
Hammer, V. B., Pedersen, P., Paetsch, R. & Stang, H.
01/02/1994 → 16/04/1997
Project: PhD

Optimering af vingeprofil-form
Sørensen, D. N., Sørensen, J. N. & Lind-Nielsen, B.
01/02/1994 → 07/05/1998
Project: PhD

Analyse af pulserende højenergi vandstråle
Norman, T., Sorensen, S. C., Carlsen, H. & Henningsen, S.
01/12/1993 → 27/10/1997
Project: PhD

Responsberegning af dynamisk belastede komposit paneler.
Riber, H. J., Pedersen, P. T., Jensen, J. J. & Kildegaard, A.
01/10/1993 → 26/06/1997
Project: PhD
Mixing and Chemical Reactions in Tubulent Combustion.
Rasmussen, A., Sorenson, S. C. & Houbak, N.
01/09/1993 → 31/07/1999
Project: PhD

Rationelt desing af skibskonstruktioner overfor ulykkeslast.
Cerup-Simonsen, B. & Pedersen, P. T.
01/09/1993 → 30/05/1997
Project: PhD

Strømning om vingeprofil
Nygreen, P. J., Sørensen, J. N. & Larsen, P. S.
01/09/1993 → 12/09/1997
Project: PhD

To-lignings turbulensmodeller for vægnære strømninger.
Schmidt, J. J., Larsen, P. S. & Sørensen, J. N.
01/09/1993 → 30/05/1997
Project: PhD

Turbulens i kombineret bølge-strøm bevægelse.
Rønnow, C. H., Sumer, B. M. & Fredsøe, J.
01/09/1993 → 11/03/1997
Project: PhD

Rasmussen, B. D., Danig, P. O. & Sorenson, S. C.
01/08/1993 → 30/06/1997
Project: PhD

Genetisk modellering og intelligent styring af hydrauliske aktuatorer
Hansen, P. E., Conrad, F., Christensen, G. K. & Rasmussen, H.
01/08/1993 → 01/10/1998
Project: PhD

Miljørigtig konstruktion (desing for enviroment).
Hansen, T. K. & Andreasen, M. M.
01/08/1993 → 30/05/1997
Project: PhD

Genbrugsrigt konstruktion.
Andersen, E. & Andreasen, M. M.
01/05/1993 → 01/08/1996
Project: PhD

Dynamisk stabilitet
Langthjem, M. A., Pedersen, P. & Jensen, J. J.
01/02/1993 → 18/04/1996
Project: PhD

Intelligent Actuators and motion control of multivariable hydraulic systems
Andersen, T. O., Conrad, F. & Poulsen, N. K.
01/02/1993 → 27/02/1997
Project: PhD
Statistisk analyse af indeklimafaktorer
Groes, A. L., Langkilde, G., Fanger, P. O. & Windfeld, K.
01/02/1993 → 17/04/1996
Project: PhD

Aeroakustisk/aerodynamisk støj fra vindmøller
Dahl, K. S., Sørensen, J. N. & Aagaard Madsen , H.
01/01/1993 → 21/01/1997
Project: PhD

Interoperability of Standards for robotics in CIME
Trostmann, E., Kroszynski, U. & Sørensen, T.
01/01/1993 → 31/01/1996
Project

Marine Structures
01/01/1993 → 31/12/1997
Project

Optimering af elektromagnetske volumenstrømsmetre.
Jensen, E., Larsen, P. S., Sørensen, J. N. & Lind, L.
10/12/1992 → 18/04/1996
Project: PhD

Automatic finite element mesh generation of regeneration
Liu, X., Jensen, J. F. & Olhoff, N.
09/12/1992 → 21/04/1999
Project: PhD

Optimal design af adaptive konstruktioner
Sigmund, O., Pedersen, P. & Bendsøe, M. P.
09/12/1992 → 20/03/1995
Project: PhD

Analysis of flow plast a rotating blade by viscous-inviscid interaction technique.
Filippone, A., Sørensen, J. N. & Jensen, J. T.
01/12/1992 → 29/01/1996
Project: PhD

Menneske/maskin-samspil for mekatroniske produkter - betjeningskvalitet og udviklingsmetoder
Markussen, T. H. & Andreasen, M. M.
01/12/1992 → 29/05/1996
Project: PhD

Tubulensmodellering anvendt på morfologi i lille skala
Tjerry, S. & Fredsøe, J.
01/12/1992 → 22/04/1996
Project: PhD

IMCIA Intelligent Motion Control & Intelligent Actuators.
29/10/1992 → 31/12/1997
Project
Energioptimering af kølesystemer
Jakobsen, A. & Danig, P. O.
01/09/1992 → 09/01/1996
Project: PhD

Bestemmelse af svingninger i platforme som følge af ekstreme bølger
Dal, E. G., Fredsøe, J. & Bjørnø, I.
01/08/1992 → 19/06/1995
Project: PhD

Trækgener i det industrielle arbejdsmiljø
toftum, J. & Langkilde, G.
01/08/1992 → 16/01/1994
Project: PhD

Acoustical properties of fibre materials for sound insulation
Tarnow, V.
01/06/1992 → ...
Project

Computerbaseret betjeningssimulering af mekatroniske produkter
Hansen, C. S., Andreasen, M. M. & Molich, R.
01/05/1992 → 01/01/1995
Project: PhD

Sediment transport in the swash zone
Elfrink, B., Fredsøe, J., Sumer, B. M. & Brøker, I.
01/05/1992 → 08/02/1996
Project: PhD

Tre-dimensionelle strømninger med seperation
Hasbo, P. B., Fredsøe, J. & Sumer, B. M.
01/05/1992 → 02/11/1995
Project: PhD

Afløsning bagved bakker.
Sørensen, N. N. & Larsen, P. S.
01/04/1992 → 22/06/1995
Project: PhD

Genetisk produktmodellering og synteseværktøjer til konstruktionsstøttesystem med aluminiumstekn. som anvendt område
Mortensen, N. H. & Andreasen, M. M.
01/04/1992 → 11/04/2000
Project: PhD

Energy optimisation of domestic refrigerators.
Danig, P. O., Rasmussen, B. D. & Jakobsen, A.
01/03/1992 → 01/10/1996
Project

Simulering af IGCC kraftværker
Lorentzen, B. & Houbak, N.
01/03/1992 → 17/04/1996
Project: PhD
Graphical Simulator
Hansen, J. B., Dawids, S. & Boe, C.
01/02/1992 → 12/10/1994
Project: PhD

Kapacitet og levetid for højtbelastede maritime FRP-sandwich konstruktioner
Braner, K., Pedersen, P. T., Jensen, J. J. & Kiltegaard, A.
01/02/1992 → 29/01/1996
Project: PhD

Viskoplastisk materialeopførsels indflydelse på skallers stabilitet og kollaps
Mikkelsen, L. P. & Tvergaard, V.
01/02/1992 → 05/10/1995
Project: PhD

Konceptuelt design af hurtigsejlende færger
Schack, C. & Pedersen, P. T.
01/01/1992 → 08/09/1995
Project: PhD

Metoder til modellering og pålidelighedsanalyse af konstruktioner med komplicerede svigtbetingelser.
Morsing Johannesen, J., Ditlevsen, O. D. & Bierager, P.
01/01/1992 → 08/02/1996
Project: PhD

Pålidelighedsmetoder til styrkedimensionering af skibe
Hansen, A. M. & Pedersen, P. T.
01/12/1991 → 08/08/1995
Project: PhD

Stokastiske dynamiske virkninger i elastisk-plastiske konstruktioner
Christensen, C. & Ditlevsen, O. D.
01/11/1991 → 22/04/1997
Project: PhD

Stokastiske effektivitetsfaktorer for plastiske konstruktioner
Randrup-Thomsen, S., Ditlevsen, O. D. & Nielsen, L. O.
01/11/1991 → 22/04/1997
Project: PhD

Aerodynamiske strømninger med strukturiaktion
Walther, J. H., Larsen, P. S., Jensen, J. T., Sørensen, J. N. & Larsen, P. S.
01/10/1991 → 16/01/1995
Project: PhD

Massetransport og strømningsforhold i væske-gas blandinger omkring dyser og statiske mikser i en bioreaktor
Nim, E., Larsen, P. S., Villadsen, J. & Hassager, O.
01/10/1991 → 29/08/1994
Project: PhD

Instationær strømning ved lave Reynolds tal
Mayer, S., Larsen, P. S. & Hansen, E. B.
01/09/1991 → 15/09/1994
Project: PhD
Optimering af sammensatte maskinsystemer
Svendsen, K., Andreasen, M. M. & Hansen, C. T.
Project: PhD

Geometrisk og topologisk definition af maritime konstruktioner
Michelsen, J., Jensen, J. J. & Gravesen, J.
01/07/1991 → 07/11/1995
Project: PhD

Rotor-aerodynamik for vindmøller
Hansen, M. O. L., Larsen, P. S., Pedersen, B. M. & Sørensen, J. N.
01/06/1991 → 17/02/1995
Project: PhD

Identifikation/adaptiv regulering af systemer med ukendt modelstruktur og væsentlige ulineariteter
01/04/1991 → 24/01/1994
Project: PhD

Modellering af indeluftkvalitet
Knudsen, H. N. & Fanger, P. O.
01/04/1991 → 14/09/1994
Project: PhD

Analyse af cykliske termodynamiske processer
Comisso, M. B. & Carlsen, H.
01/03/1991 → 16/01/1995
Project: PhD

Luftforureningskilder i ventilationsanlæg
Pejtersen, J. & Fanger, P. O.
01/03/1991 → 02/06/1994
Project: PhD

Numerisk og eksperimentel undersøgelse af turbulent strømning og varmeoverførsel i industrielle procesanlæg
Meyer, K. E., Larsen, P. S. & Kristensen, H. S.
01/02/1991 → 30/05/1994
Project: PhD

Environmental planning and uncertainty
Sørensen, L. T. & Tvergaard, V.
01/10/1990 → 01/01/1994
Project: PhD

Tredimensionel, instationær aerodynamik for roterende vinge
Christensen, H. F., Sørensen, J. N., Larsen, P. S. & Aagaard Madsen, H.
01/10/1990 → 15/09/1994
Project: PhD

Design for Quality
Mørup, M. & Andreasen, M. M.
01/08/1990 → 01/01/1994
Project: PhD
Erosion om lodrette pæle udsat for bølger
Christiansen, N., Sumer, B. M. & Fredsøe, J.
01/08/1990 → 15/06/1994
Project: PhD

Pålidelighedsanalyse af maritime konstruktioner
Friis-Hansen, P. & Pedersen, P. T.
01/02/1990 → 17/06/1994
Project: PhD

Robotteknik
Zhang, M., Conrad, F. & Poulsen, N. K.
01/02/1990 → 12/09/1997
Project: PhD

Integreret styring af kølemøbelfordampere til butikskøling
Eielsen, F. & Danig, P. O.
01/01/1990 → 01/01/1993
Project: PhD

Stirling Engines for Wood chips
Carlsen, H., Bovin, J. K. & Bruun, I. B.
01/01/1990 → 01/01/1999
Project

Optimering for akkumulering af elastisk energi i laminat konstruktioner
Petersen, T. & Pedersen, P.
01/11/1989 → 12/10/1994
Project: PhD

Kyst- og brink beskyttelse
Arnskov, M. M., Sumer, B. M. & Fredsøe, J.
01/09/1989 → 15/08/1995
Project: PhD

Prospektiv medicinsk teknologivurdering
Andersen, S. L., Dawids, S. & Jørgensen, T.
01/08/1987 → 01/07/1994
Project: PhD

Converging Technologies for Micro System Manufacturing : Large scale integration project
Islam, A.
02/02/0036 → 30/03/0037
Project

Activities:

Ocean Dynamics (Journal)
Fuhrman, D. R. (Reviewer)
2018
Activity: Research › Journal editor

On the prediction of thermophysical properties of innovative fluids
Montagud, M. E. M. (Guest lecturer), Haglind, F. (Other)
2018
Activity: Talks and presentations › Conference presentations

The 20th International Workshop on Configuration (Event)
Shafiee, S. (Reviewer)
27 Sep 2018 → 28 Sep 2018
Activity: Research › Peer review of manuscripts

2nd IEOM European Conference on Industrial Engineering and Operations Management (Event)
Shafiee, S. (Reviewer)
26 Jul 2018 → 27 Jul 2018
Activity: Research › Peer review of manuscripts

Piston Ring Lubrication - Model Validation, Lubricant Injection Position and Injection Volume
Overgaard, H. T. (Guest lecturer)
2 Mar 2018
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

Reproduction of multi-hierarchical structural surfaces by vat-photopolymerization
Mendez Ribo, M. (Speaker)
7 Feb 2018
Activity: Talks and presentations › Conference presentations

Coastal Engineering (Journal)
Fuhrman, D. R. (Reviewer)
2017 → …
Activity: Research › Journal editor

GREEN FIBER BOTTLE: TOWARDS A SUSTAINABLE PACKAGE
Didone, M. (Guest lecturer)
2017
Activity: Talks and presentations › Conference presentations

Green Fiber Bottle: Towards a Sustainable Package and a Manufacturing Process
Didone, M. (Speaker)
2017
Activity: Talks and presentations › Conference presentations

Journal of Waterway, Port, Coastal, and Ocean Engineering (Journal)
Fuhrman, D. R. (Reviewer)
2017 → …
Activity: Research › Journal editor

Robotics and Computer-Integrated Manufacturing (Journal)
Stolfi, A. (Reviewer)
2017
Activity: Research › Peer review of manuscripts

Characterization of additive manufacturing processes for polymer micro parts productions using direct light processing (DLP) method
Davoudinejad, A. (Speaker)
12 Dec 2017
Activity: Talks and presentations › Conference presentations

Dimensional accuracy of Acrylonitrile Butadiene Styrene injection molded parts produced in a pilot production with an additively manufactured insert
Davoudinejad, A. (Speaker)
Reversible Operation using Carbonaceous Gasses of a 30-cell Solid Oxide Cell Stack
Jensen, S. H. (Guest lecturer), Langnickel, H. (Guest lecturer), Nils Hintzen (Other), Chen, M. (Guest lecturer), Sun, X. (Guest lecturer), Hauch, A. (Guest lecturer), Butera, G. (Guest lecturer), Clausen, L. R. (Guest lecturer)
12 Dec 2017 → 15 Dec 2017
Activity: Talks and presentations › Conference presentations

Response prediction of vessel motions and sea state estimation from ships
Nielsen, U. D. (Guest lecturer)
17 Nov 2017
Activity: Talks and presentations › Conference presentations

Biological features produced by additive manufacturing processes using vat photopolymerization method
Davoudinejad, A. (Speaker)
8 Nov 2017
Activity: Talks and presentations › Conference presentations

Multi-scale testing of composite steel interfaces for blade root bushing connections
Rezaei, M. (Speaker)
8 Nov 2017 → 9 Nov 2017
Activity: Talks and presentations › Conference presentations

Comparison of measured lattice rotations of individual grains with crystal plasticity simulations
Juul, N. Y. (Speaker), Oddershede, J. (Other), Winther, G. (Guest lecturer)
5 Nov 2017 → 11 Nov 2017
Activity: Talks and presentations › Conference presentations

Measured resolved shear stresses and active slip systems in austenitic steel
Winther, G. (Invited speaker), Juul, N. Y. (Other), Oddershede, J. (Other)
5 Nov 2017 → 11 Nov 2017
Activity: Talks and presentations › Conference presentations

Efficient use of low temperature heat sources: High performance heat pump cycles with zeotropic mixtures
Zühlsdorf, B. (Guest lecturer)
24 Oct 2017
Activity: Talks and presentations › Conference presentations

University of North Carolina at Charlotte
Quagliotti, D. (Visiting researcher)
1 Oct 2017 → 30 Nov 2017
Activity: Visiting an external institution › Visiting another research institution

Micro 3D Additive Manufacturing and metrological methods
Davoudinejad, A. (Supervisor)
Sep 2017 → Dec 2017
Activity: Examinations and supervision › Supervisor activities

Shipboard sea state estimation based on wave-induced response measurements
Nielsen, U. D. (Guest lecturer)
26 Sep 2017
Activity: Talks and presentations › Conference presentations

Complex Motion in Fluids Summer School
24 Sep 2017 → 29 Sep 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Parallel evolution of deformation textures and dislocation boundaries**
Winther, G. (Guest lecturer)
20 Sep 2017 → 22 Sep 2017
Activity: Talks and presentations › Conference presentations

**Influence of tool texture on friction and lubrication in strip reduction**
Sulaiman, M. H. B. (Guest lecturer), Christiansen, P. (Guest lecturer), Bay, N. O. (Guest lecturer)
17 Sep 2017 → 22 Sep 2017
Activity: Talks and presentations › Conference presentations

**19th International Configuration Workshop (Event)**
Shafiee, S. (Reviewer)
14 Sep 2017 → 15 Sep 2017
Activity: Research › Peer review of manuscripts

**Design considerations for integration of two 5 MW vapour compression heat pumps in the Greater Copenhagen district heating system**
Ommen, T. S. (Speaker)
13 Sep 2017
Activity: Talks and presentations › Conference presentations

**Booster heat pump with zeotropic mixtures**
Zühlsdorf, B. (Guest lecturer)
12 Sep 2017
Activity: Talks and presentations › Conference presentations

**Performance analysis of heat pumps utilizing different low temperature heat sources to supply district heating**
Pieper, H. (Speaker)
12 Sep 2017
Activity: Talks and presentations › Conference presentations

**International Workshop on High Temperature Heat Pumps**
Elmegaard, B. (Organizer), Zühlsdorf, B. (Organizer), Reinholdt Lars Ove (Organizer), Michael Bantle (Organizer)
11 Sep 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Hierarchical microstructures in metals due to dislocation-mediated plasticity**
Winther, G. (Invited speaker)
29 Aug 2017 → 31 Aug 2017
Activity: Talks and presentations › Conference presentations

**Digital Manufacturing in the Extrusion Process Chain by Additively Manufacturing Soft Tooling for Extrusion Dies**
Davoudinejad, A. (Supervisor)
15 Aug 2017 → 30 Jan 2018
Activity: Examinations and supervision › Supervisor activities

**Experimental Validation of Vibro-Impact Force Models using Numeric Simulation and Perturbation Methods**
de Souza Reboucas, G. F. (Guest lecturer)
27 Jun 2017
Activity: Talks and presentations › Conference presentations

**Coastal Dynamics 2017**
Fuhrman, D. R. (Organizer)
12 Jun 2017 → 16 Jun 2017
Activity: Attending an event › Participating in or organising a conference

Numerical studies and experimental validation of topology-optimised aluminium heat sinks manufactured by additive manufacturing
Alexandersen, J. (Speaker)
8 Jun 2017
Activity: Talks and presentations › Conference presentations

Topology optimisation of passive coolers for light-emitting diode lamps
Alexandersen, J. (Invited speaker)
6 Jun 2017
Activity: Talks and presentations › Conference presentations

Finite Element Modeling and Process Performance of Micro End-Milling of Aluminium 6082-T6
Davoudinejad, A. (Speaker)
1 Jun 2017
Activity: Talks and presentations › Conference presentations

3D Printing of Bio-inspired Surfaces
Davoudinejad, A. (Supervisor)
May 2017
Activity: Examinations and supervision › Supervisor activities

Feasibility study on integrated process/product quality assurance framework for precision injection moulding based on vibration monitoring
Giannekas, N. (Other), Rene Gammelby (Other), Tosello, G. (Other), Dmitri Tcherniak (Other), Zhang, Y. (Other)
29 May 2017 → 31 May 2017
Activity: Talks and presentations › Conference presentations

Oral presentation
Vested, M. H. (Guest lecturer)
17 May 2017
Activity: Talks and presentations › Conference presentations

Replication and analysis of polymer micro structured functional surfaces for contrast generation
Regi, F. (Speaker)
9 May 2017
Activity: Talks and presentations › Conference presentations

A preliminary study on replication and quality correlation of on-part and on-runner polymer injection moulded micro features
Giannekas, N. (Guest lecturer), Tosello, G. (Other), Zhang, Y. (Other)
7 May 2017 → 9 May 2017
Activity: Talks and presentations › Conference presentations

University of North Carolina at Charlotte
Quagliotti, D. (Visiting researcher)
1 May 2017 → 31 Jul 2017
Activity: Visiting an external institution › Visiting another research institution

Oral presentation
Vested, M. H. (Guest lecturer)
24 Apr 2017 → 28 Apr 2017
Activity: Talks and presentations › Conference presentations
Harmonic Polynomial Cell method with Immersed Boundaries
Shao, Y. (Speaker)
3 Apr 2017 → 7 Apr 2017
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Factors affecting the thermophysical properties of nanofluids
Montagud, M. E. M. (Other), Haglind, F. (Other)
Mar 2017
Activity: Talks and presentations › Conference presentations

Biomedical Microdevices (Journal)
Puthumana, G. (Reviewer)
30 Mar 2017 → 31 Dec 2017
Activity: Research › Journal editor

DCAMM 16th Internal Symposium
Christiansen, C. K. (Participant)
13 Mar 2017 → 15 Mar 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Lubricant transport across the piston ring with flat and triangular lubrication injection profiles on the liner in large two-stroke marine diesel engines
Overgaard, H. T. (Guest lecturer)
3 Feb 2017
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

Metrology for additively manufactured medical implants
Stolfi, A. (Participant)
3 Feb 2017 → 30 Apr 2017
Activity: Other

The Danish Society of Engineers, IDA (External organisation)
Puthumana, G. (Participant)
1 Feb 2017 → …
Activity: Membership › Membership of research networks or expert groups

International Symposium on Multiscale Computational Analysis of Complex Materials (Event)
Winther, G. (Member)
1 Jan 2017 → 31 Aug 2017
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

EBSD 2016 Dresden
Diederichs, A. M. (Speaker)
2016
Activity: Talks and presentations › Conference presentations

Precision Engineering (Journal)
Stolfi, A. (Reviewer)
2016 → …
Activity: Research › Peer review of manuscripts

Sensors (Journal)
Stolfi, A. (Reviewer)
2016 → …
Activity: Research › Peer review of manuscripts
Mechanics of Advanced Materials and Modern Processes (Journal)
Puthumana, G. (Reviewer)
1 Dec 2016 → …
Activity: Research › Peer review of manuscripts

ATV Sustain conference
Puthumana, G. (Speaker)
30 Nov 2016
Activity: Talks and presentations › Conference presentations

How to Get Published in an International Journal
Puthumana, G. (Participant)
29 Nov 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Oral examinations, including group examination
Puthumana, G. (Participant)
28 Nov 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

How to prepare a successful proposal for Horizon 2020
Puthumana, G. (Participant)
24 Nov 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

DTU’s 5. undervisningsbiennale: God undervisningspraksis i ingeniøruddannelserne
Puthumana, G. (Participant)
17 Nov 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Supervision of PhD students at DTU
Puthumana, G. (Participant)
14 Nov 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

TECNICHE INNOVATIVE DI INDURIMENTO SUPERFICIALE E TRATTAMENTO CRIOGENICO DEGLI ACCIAI
Villa, M. (Speaker)
10 Nov 2016
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

Euspen Special Interest Group Meeting: Structured & Freeform Surfaces
Saxena, P. (Speaker)
9 Nov 2016 → 11 Nov 2016
Activity: Talks and presentations › Conference presentations

Euspen Special Interest Group Meeting: Structured & Freeform Surfaces
Didone, M. (Speaker)
9 Nov 2016
Activity: Talks and presentations › Conference presentations

Special Interest Group Meeting: Structured & Freeform Surfaces 9th – 10th November 2016 - Technical University of Denmark (DTU) Copenhagen, DK
Puthumana, G. (Participant)
9 Nov 2016 → 10 Nov 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
Special Interest Group Meeting: Structured & Freeform Surfaces 9th – 10th November 2016 - Technical University of Denmark (DTU) Copenhagen, DK
Quagliotti, D. (Speaker)
9 Nov 2016
Activity: Talks and presentations › Conference presentations

E-LASS European network for lightweight applications at sea
Karatzas, V. (Speaker)
8 Nov 2016 → 9 Nov 2016
Activity: Talks and presentations › Conference presentations

University of Nottingham
Quagliotti, D. (Visiting researcher)
15 Oct 2016 → 21 Dec 2016
Activity: Visiting an external institution › Visiting another research institution

University of Copenhagen Innovation Day 2016
Puthumana, G. (Participant)
13 Oct 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Analysis of grain-scale experimental data in a crystal plasticity framework
Winther, G. (Invited speaker)
Activity: Talks and presentations › Conference presentations

Making your research visible II
Puthumana, G. (Participant)
6 Oct 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

1st International Symposium on Multi-Scale Experimental Mechanics
Karatzas, V. (Speaker)
5 Oct 2016
Activity: Talks and presentations › Conference presentations

Determination of mechanical properties of Glass-Epoxy composites and sandwich structures at elevated temperatures
Rezaei, M. (Guest lecturer)
5 Oct 2016
Activity: Talks and presentations › Conference presentations

Danish course 872
Puthumana, G. (Participant)
3 Oct 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Developing the Green Fiber Bottle
Meijer, E. B. (Lecturer)
3 Oct 2016
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Introduction to SimaPro
Meijer, E. B. (Lecturer)
3 Oct 2016
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities
Modeling and analyzing solar heating plants to predict thermal performance
Pieper, H. (Speaker)
27 Sep 2016
Activity: Talks and presentations › Conference presentations

7th international conference on mass customization and personalization in Central Europe (Event)
Shafiee, S. (Reviewer)
21 Sep 2016 → 23 Sep 2016
Activity: Research › Peer review of manuscripts

Characterization of the micrometric structure of molded pulp using X-ray microtomography
Stolfi, A. (Participant)
21 Sep 2016 → 22 Dec 2016
Activity: Other

Meeting with SIRI and DIS
Puthumana, G. (Participant)
20 Sep 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Life Cycle Assessment for Product Designers
Meijer, E. B. (Lecturer)
19 Sep 2016
Activity: Other

Prediction of dislocation boundary characteristics
Winther, G. (Invited speaker)
19 Sep 2016 → 23 Sep 2016
Activity: Talks and presentations › Conference presentations

Metrology for additive manufacturing of medical implants
Stolfi, A. (Participant)
13 Sep 2016 → 31 Dec 2016
Activity: Other

Demonstration - Course 41742
Puthumana, G. (Participant)
8 Sep 2016
Activity: Attending an event › Participating in or organising a conference

Technological signature in precision injection compression moulding of polymer Fresnel lenses
Quagliotti, D. (Supervisor)
1 Sep 2016 → 31 Jan 2017
Activity: Examinations and supervision › Supervisor activities

EuroTech Postdoc workshop
Puthumana, G. (Participant)
31 Aug 2016 → 2 Sep 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Rheology of High-Melt-Strength Polypropylene for Additive Manufacturing
Hofstätter, T. (Speaker)
24 Aug 2016
Activity: Talks and presentations › Conference presentations
Crack Tip Flipping Under Mode I/III Tearing
Felter, C. L. (Lecturer)
Activity: Talks and presentations › Conference presentations

DTU Mekanik Sommerseminar 2016
Puthumana, G. (Participant)
18 Aug 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

15th International Symposium on Magnetic Bearings
Lauridsen, J. S. (Participant)
3 Aug 2016
Activity: Attending an event › Participating in or organising a conference

Measured Resolved Shear Stresses on Slip Systems in Austenitic Steel Grains
Winther, G. (Other)
10 Jul 2016 → 13 Jul 2016
Activity: Talks and presentations › Conference presentations

Danish summer school 880
Puthumana, G. (Participant)
4 Jul 2016 → 15 Jul 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Traceability investigation in Computed Tomography using industry-inspired workpieces
Stolfi, A. (Participant)
1 Jul 2016 → 30 Sep 2017
Activity: Other

University of Padova
Shafiee, S. (Visiting researcher)
Jun 2016 → Jul 2018
Activity: Visiting an external institution › Visiting another research institution

18th Summer School on Engineering Design Research
Meijer, E. B. (Participant)
27 Jun 2016 → 30 Jul 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Prediction of Solar Heating Plant Performance
Pieper, H. (Speaker)
24 Jun 2016
Activity: Talks and presentations › Conference presentations

Motivation and Learning
Puthumana, G. (Participant)
22 Jun 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Advanced LCA PhD Course 2016
Meijer, E. B. (Participant)
20 Jun 2016 → 24 Jun 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
Accurate Manufacture-DLM
Puthumana, G. (Participant)
16 Jun 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Integrating Product and Technology Development: A Proposed Reference Model for Dual Innovation
Meijer, E. B. (Speaker)
15 Jun 2016
Activity: Talks and presentations › Conference presentations

The 17th Nordic Symposium on Tribology
Overgaard, H. T. (Participant)
14 Jun 2016 → 17 Jun 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Økonomioversigter
Puthumana, G. (Participant)
13 Jun 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Novo Nordisk AS
Stolfi, A. (Visiting researcher)
10 Jun 2016 → 30 Aug 2016
Activity: Visiting an external institution › Visiting another research institution

Performance Verication of the Moulding Method for Production of Paper Bottles
Stolfi, A. (Participant)
3 Jun 2016 → 23 Jun 2016
Activity: Other

Best Presentation Award
Hofstätter, T. (Participant)
2 Jun 2016
Activity: Other

Successful management of externally financed project at DTU - from Grant to project closing
Puthumana, G. (Participant)
26 May 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Marie Skłodowska-Curie Individual Fellowships 2016
Puthumana, G. (Participant)
24 May 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Intern handel
Puthumana, G. (Participant)
18 May 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

HTCPM 2016 - 9th International Symposium on High-Temperature Corrosion and Protection of Materials
Wu, D. (Participant)
15 May 2016 → 20 May 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
Learning by Failing/Learning by Succeeding
Puthumana, G. (Participant)
3 May 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Precision Metrology Workshop - Optical Metrology
Puthumana, G. (Participant)
19 Apr 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Introduction to Pulp and paper Technology 2016
Meijer, E. B. (Participant)
13 Apr 2016 → 15 Apr 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Principle for achieving metrological traceability with CMM's
Puthumana, G. (Participant)
12 Apr 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Search, cite, publish - information competences for PhD students and newly employed researchers
Puthumana, G. (Participant)
12 Apr 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

University of British Columbia
Meijer, E. B. (Visiting researcher)
11 Apr 2016 → 14 May 2016
Activity: Visiting an external institution › Visiting another research institution

PhD supervision
Puthumana, G. (Participant)
4 Apr 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Fracture Toughness Characterization of Honeycomb Core Sandwich Composites in Mode - I: A Comparative Study
Saseendran, V. (Speaker), Berggreen, C. (Lecturer), Leif A. Carlsson (Lecturer)
20 Mar 2016 → 22 Mar 2016
Activity: Talks and presentations › Conference presentations

HTC/KME Symposium 2016
Wu, D. (Participant)
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Physikalisch-Technische Bundesanstalt,
Stolfi, A. (Visiting researcher)
15 Mar 2016 → 1 May 2016
Activity: Visiting an external institution › Visiting another research institution

Making your research visible
Puthumana, G. (Participant)
8 Mar 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
New Concepts for Shipboard Sea State Estimation
Nielsen, U. D. (Speaker)
1 Mar 2016
Activity: Talks and presentations › Conference presentations

H.C. Ørsted COFUND Postdoc Programme Network Group Meeting
Puthumana, G. (Participant)
26 Feb 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Intragranular orientation spread induced by grain interaction
Winther, G. (Invited speaker)
14 Feb 2016 → 18 Feb 2016
Activity: Talks and presentations › Conference presentations

Danish course 874
Puthumana, G. (Participant)
2 Feb 2016 → 2 Jun 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Design and Optimization of High Precision Positioning Fixture
Quagliotti, D. (Supervisor)
1 Feb 2016 → 23 Jun 2016
Activity: Examinations and supervision › Supervisor activities

17th Workshop of Nordic Maritime Universities and DNV-GL
Karatzas, V. (Speaker)
21 Jan 2016 → 22 Jan 2016
Activity: Talks and presentations › Conference presentations

Application of Digital Image Correlation for Material Testing
Costache, A. (Lecturer)
19 Jan 2016 → 21 Jan 2016
Activity: Other

Experimental Solid Mechanics (41811)
Costache, A. (Lecturer)
12 Jan 2016 → 18 Jan 2016
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

H. C. Ørsted COFUND postdoc Fellow day
Puthumana, G. (Participant)
7 Jan 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Applied Ocean Research (Journal)
Fuhrman, D. R. (Reviewer)
2015 → …
Activity: Research › Journal editor

Global Cleaner Production & Sustainable Consumption Conference
Rodrigues, V. P. (Speaker)
2015
Activity: Talks and presentations › Conference presentations
Journal of Cleaner Production (Journal)
Rodrigues, V. P. (Reviewer)
2015 → …
Activity: Research › Peer review of manuscripts

Journal of Offshore Mechanics and Arctic Engineering (Journal)
Fuhrman, D. R. (Reviewer)
2015 → …
Activity: Research › Journal editor

Waste Heat Recovery in a Cruise Vessel in the Baltic Sea by Using an Organic Rankine Cycle: A Case Study
Fredrik Ahlgren (Speaker), Montagud, M. E. M. (Other), Marcus Thern (Other), Magnus Genrup (Other)
2015
Activity: Talks and presentations › Conference presentations

DTU Sustain conference 2015
Puthumana, G. (Speaker)
17 Dec 2015
Activity: Talks and presentations › Conference presentations

Why sustainability is still not integrated into product development?
Pigosso, D. C. A. (Keynote speaker)
16 Dec 2015
Activity: Talks and presentations › Conference presentations

DTU Seminar: Educating Engineers for the Future - Solving Engineering Dilemmas with Innovation as a Context for Teaching
Puthumana, G. (Participant)
8 Dec 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

DTU Modeling day 2015
Puthumana, G. (Participant)
7 Dec 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

EUSPEN Micro/Nano Manufacturing Workshop
Quagliotti, D. (Speaker)
25 Nov 2015
Activity: Talks and presentations › Conference presentations

Language Learning Event
Puthumana, G. (Participant)
2 Nov 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Global Cleaner Production & Sustainable Consumption Conference
Pigosso, D. C. A. (Participant)
1 Nov 2015 → 4 Nov 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Modeling Void-by-void Growth vs. Void Interaction in Thin Sheet Metal
Felter, C. L. (Lecturer)
26 Oct 2015 → 28 Oct 2015
Activity: Talks and presentations › Conference presentations
Introduction to research councils and foundations 20th October 2015
Puthumana, G. (Participant)
20 Oct 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Developing the Green Fiber Bottle
Meijer, E. B. (Lecturer)
19 Oct 2015
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

training courses for Thermo-cal and DICTRA
Wu, D. (Participant)
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Maritime Engineering Education (at DTU): What are the challenges?
Nielsen, U. D. (Lecturer)
9 Oct 2015
Activity: Talks and presentations › Conference presentations

The Nordic Flame Days 2015
Okoro, S. C. (Speaker)
6 Oct 2015
Activity: Talks and presentations › Conference presentations

Observation of deformation induced redistribution of chromium and carbon in bearing steel
Diederichs, A. M. (Speaker)
Sep 2015
Activity: Talks and presentations › Conference presentations

SimaPro Exercise
Meijer, E. B. (Lecturer)
24 Sep 2015
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

11621 How to write a scientific paper
Puthumana, G. (Participant)
17 Sep 2015 → 9 Dec 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Danish course 888
Puthumana, G. (Participant)
15 Sep 2015 → 3 Dec 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Dimensional and Surface Micro/Nano Metrology for Precision Moulding Technology
Quagliotti, D. (Supervisor)
7 Sep 2015 → 15 Jan 2016
Activity: Examinations and supervision › Supervisor activities

Optical Metrology and Precision Milled Metal Surfaces for Process Validation and Product Quality Assurance
Quagliotti, D. (Supervisor)
1 Sep 2015 → 1 Feb 2016
Activity: Examinations and supervision › Supervisor activities
A methodology for designing flexible multi-generation systems
Lythcke-Jørgensen, C. E. (Invited speaker)
25 Aug 2015
Activity: Talks and presentations › Conference presentations

Expert panel for Research Council of Norway (External organisation)
Winther, G. (Participant)
11 Aug 2015 → 12 Aug 2015
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Dislocations 2016
Winther, G. (Organizer)
1 Aug 2015 → 1 Aug 2017
Activity: Attending an event › Participating in or organising a conference

Gordon Research Conference on High Temperature Corrosion
Okoro, S. C. (Participant)
25 Jul 2015 → 31 Jul 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

20th International Conference on Composite Materials
Poulios, K. (Speaker)
19 Jul 2015 → 24 Jul 2015
Activity: Talks and presentations › Conference presentations

Connect! European Moldflow User Meeting 2015
Marhöfer, D. M. (Speaker)
23 Jun 2015
Activity: Talks and presentations › Conference presentations

Micro Mechanical Systems Design and Manufacturing Course 41790
Puthumana, G. (Participant)
22 Jun 2015 → 3 Jul 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Polymer tribology: The polymer against polymer wear puzzle
Sivebæk, I. M. (Speaker)
22 Jun 2015 → 26 Jun 2015
Activity: Talks and presentations › Conference presentations

The International Conference on Understanding and Controlling Nano and Mesoscale Friction
Sivebæk, I. M. (Organizer)
22 Jun 2015 → 26 Jun 2015
Activity: Attending an event › Participating in or organising a conference

Marhöfer, D. M. (Speaker)
18 Jun 2015
Activity: Talks and presentations › Conference presentations

Poster Session - DTU (on 15th International Conference of the European Society for Precision Engineering)
Puthumana, G. (Participant)
12 Jun 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
29th International Conference on Surface Modification Technologies
Okoro, S. C. (Speaker)
11 Jun 2015
Activity: Talks and presentations › Conference presentations

11th World Congress of Structural and Multidisciplinary Optimization
Alexandersen, J. (Participant)
7 Jun 2015 → 12 Jun 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

11th World Congress of Structural and Multidisciplinary Optimization
Dou, S. (Participant)
7 Jun 2015 → 12 Jun 2015
Activity: Attending an event › Participating in or organising a conference

Tolerance verification of a hearing aid component using Computed Tomography
Stolfi, A. (Participant)
1 Jun 2015 → 31 Jul 2015
Activity: Other

NMI Tribology Meeting
Diederichs, A. M. (Participant)
May 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Transition from wet to dry friction
Sivebæk, I. M. (Invited speaker)
22 May 2015
Activity: Talks and presentations › Conference presentations

VI International Conference on Coupled Problems in Science and Engineering
Alexandersen, J. (Participant)
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Acoustical technological facilities visit - DTU Elektro
Puthumana, G. (Participant)
13 May 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

7th International Conference on Composite Testing and Model Identification
Costache, A. (Participant)
8 Apr 2015 → 10 Apr 2015
Activity: Attending an event › Participating in or organising a conference

Application of combined EBSD/EDX measurements to microstructure analysis of White Etching Areas in 100Cr6 steel
Diederichs, A. M. (Speaker)
Mar 2015
Activity: Talks and presentations › Conference presentations

2015 Electron Backscatter Diffraction Meeting
Alimadadi, H. (Speaker)
31 Mar 2015
Activity: Talks and presentations › Conference presentations
ATV-SEMAPP konferencen 'Plast i offshoreindustrien
Karatzas, V. (Invited speaker)  
18 Mar 2015
Activity: Talks and presentations › Conference presentations

DCAMM 15th Internal Symposium  
Christiansen, C. K. (Participant)  
16 Mar 2015 → 18 Mar 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

DCAMM 15th Internal Symposium  
Pierart Vásquez, F. G. (Participant)  
16 Mar 2015 → 18 Mar 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

DCAMM 15th Internal Symposium  
Lauridsen, J. S. (Participant)  
16 Mar 2015 → 18 Mar 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

DCAMM 15th Internal Symposium  
Salazar, J. A. G. (Participant)  
16 Mar 2015 → 18 Mar 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

DCAMM 15th Internal Symposium  
Dou, S. (Participant)  
16 Mar 2015 → 18 Mar 2015
Activity: Attending an event › Participating in or organising a conference

Analysis of Ingot Forging Damage Evolution Using Different Simulation Methods  
Christiansen, P. (Invited speaker)  
9 Mar 2015
Activity: Talks and presentations › Conference presentations

11th International Conference on Vibrations in Rotating Machines  
Salazar, J. A. G. (Speaker)  
23 Feb 2015 → 25 Feb 2015
Activity: Talks and presentations › Conference presentations

16th Workshop of Nordic Maritime Universities and DNV-GL  
Karatzas, V. (Speaker)  
22 Jan 2015
Activity: Talks and presentations › Conference presentations

DTU Patent Course  
Costache, A. (Participant)  
12 Jan 2015 → 16 Jan 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Materialers fantastiske verden  
Winther, G. (Lecturer)  
22 Nov 2014
Activity: Talks and presentations › Conference presentations
Euspen Special Interest Group Meeting - Structured and Freeform Surfaces
Calaon, M. (Speaker)
19 Nov 2014 → 20 Nov 2014
Activity: Talks and presentations › Conference presentations

Microstructural investigations of White Etching Areas
Diederichs, A. M. (Speaker)
18 Nov 2014
Activity: Talks and presentations › Conference presentations

Response-based sea state estimation for onboard DSS - Safe and Efficient Marine Operations
Nielsen, U. D. (Invited speaker)
13 Nov 2014
Activity: Talks and presentations › Conference presentations

Karlsruhe Institute of Technology KIT
Marhöfer, D. M. (Visiting researcher)
Oct 2014 → Dec 2014
Activity: Visiting an external institution › Visiting another research institution

27th Nordic Seminar on Computational Mechanics
Christiansen, C. K. (Participant)
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

13th International Symposium on Multiscale, Multifunctional and Functionally Graded Materials
Alexandersen, J. (Participant)
19 Oct 2014 → 22 Oct 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Comparison of measurements using Computed Tomography and CMM
Stolfi, A. (Participant)
1 Oct 2014 → 9 Jan 2015
Activity: Other

Electron-microscopical analysis of White etching Areas in 100Cr6 steel
Diederichs, A. M. (Speaker)
Sep 2014
Activity: Talks and presentations › Conference presentations

10th European Fluid Mechanics Conference (EUROMECH)
Christiansen, C. K. (Participant)
14 Sep 2014 → 18 Sep 2014
Activity: Attending an event › Participating in or organising a conference

European Corrosion Congress
Okoro, S. C. (Speaker)
8 Sep 2014 → 12 Sep 2014
Activity: Talks and presentations › Conference presentations

Bygningsmekanik II
Costache, A. (Participant)
31 Aug 2014 → 4 Dec 2014
Activity: Other
Analysis of deformation-induced intragranular orientation spread in IF-steel by a combination of 3DXRD and crystal plasticity
Winther, G. (Speaker)
24 Aug 2014 → 29 Aug 2014
Activity: Talks and presentations › Conference presentations

Nanotribology: Theory and Applications
Costache, A. (Participant)
18 Aug 2014 → 29 Aug 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Material and geometry characterization of FDM parts
Stolfi, A. (Participant)
15 Aug 2014 → 15 Nov 2015
Activity: Other

8th European Nonlinear Dynamics Conference
Dou, S. (Participant)
6 Jul 2014 → 11 Jul 2014
Activity: Attending an event › Participating in or organising a conference

17th U.S. National Congress on Theoretical and Applied Mechanics
Dou, S. (Participant)
16 Jun 2014 → 21 Jun 2014
Activity: Attending an event › Participating in or organising a conference

Investigations on PVD Al/Ni electrocatalysts for alkaline water electrolysis
Caspersen, M. (Speaker)
15 Jun 2014 → 20 Jun 2014
Activity: Talks and presentations › Conference presentations

16th Nordic Symposium on Tribology
Salazar, J. A. G. (Speaker)
12 Jun 2014
Activity: Talks and presentations › Conference presentations

16th Nordic Symposium on Tribology
Christiansen, C. K. (Participant)
10 Jun 2014 → 13 Jun 2014
Activity: Attending an event › Participating in or organising a conference

Hilton Head Workshop 2014
Dou, S. (Participant)
8 Jun 2014 → 12 Jun 2014
Activity: Attending an event › Participating in or organising a conference

2nd International Symposium on Anodizing Science and Technology
Johansen, V. E. (Speaker)
5 Jun 2014
Activity: Talks and presentations › Conference presentations

International Conference on Engineering and Applied Sciences Optimization (OPT-i)
Alexandersen, J. (Participant)
4 Jun 2014 → 6 Jun 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
Norwegian University of Science and Technology (External organisation)
Winther, G. (Participant)
2 Jun 2014
Activity: Membership › Membership in review committee

European Maritime Day
Christensen, E. D. (Speaker)
19 May 2014 → 20 May 2014
Activity: Talks and presentations › Conference presentations

Robust Discretisation and Fast Solvers for Computable Multi-physics Models
Alexandersen, J. (Participant)
12 May 2014 → 16 May 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Carnegie Mellon University
Pierobon, L. (Visiting researcher)
19 Apr 2014 → 14 Jun 2014
Activity: Visiting an external institution › Visiting another research institution

Microscopy of Oxidation
Okoro, S. C. (Participant)
14 Apr 2014 → 16 Apr 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Combining crystal plasticity and dislocation theory to model dislocation boundary characteristics
Winther, G. (Invited speaker)
24 Feb 2014 → 28 Feb 2014
Activity: Talks and presentations › Conference presentations

Michigan State University
Dou, S. (Visiting researcher)
3 Feb 2014 → 27 Jun 2014
Activity: Visiting an external institution › Visiting another research institution

Bygningsmekanik II
Costache, A. (Lecturer)
2013
Activity: Other

Feasibility Study of Process Optimisation and Biomass Utilisation in the Asphalt Industry
Elmegaard, B. (Supervisor)
2013
Activity: Examinations and supervision › Supervisor activities

Membership in the European Society for Precision Manufacturing and Nanotechnology (euspen) (External organisation)
Marhöfer, D. M. (Participant)
2013 → …
Activity: Membership › Membership of research networks or expert groups

EUSPEN Micro/Nano Manufacturing Workshop
Mahshid, R. (Speaker)
27 Nov 2013 → 28 Nov 2013
Activity: Talks and presentations › Conference presentations
Atv-semapp micro-nano moulding: technologies and applications
Marhöfer, D. M. (Speaker)
13 Nov 2013
Activity: Talks and presentations › Conference presentations

12th EDF - PPRIME
Salazar, J. A. G. (Speaker)
17 Sep 2013 → 18 Sep 2013
Activity: Talks and presentations › Conference presentations

Dansk Teknologihistorisk Selskabs Årsmede
Zwisler, L. (Organizer)
14 Sep 2013
Activity: Attending an event › Participating in or organising a conference

19th International Conference on Composite Materials
Costache, A. (Participant)
28 Jul 2013 → 2 Aug 2013
Activity: Attending an event › Participating in or organising a conference

Separated Representations and PGD-based Model Reduction: Fundamentals and Applications
Alexandersen, J. (Participant)
8 Jul 2013 → 12 Jul 2013
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Topology Optimization – Theory and Applications
Dou, S. (Participant)
19 Jun 2013 → 25 Jun 2013
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

PRACE Summer School 2013
Alexandersen, J. (Participant)
17 Jun 2013 → 21 Jun 2013
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

LabVIEW Introductory on Data Acquisition
Costache, A. (Participant)
10 Jun 2013 → 28 Jun 2013
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

10th World Congress on Structural and Multidisciplinary Optimization
Alexandersen, J. (Speaker)
22 May 2013
Activity: Talks and presentations › Conference presentations

10th World Congress on Structural and Multidisciplinary Optimization
Dou, S. (Participant)
19 May 2013 → 24 May 2013
Activity: Attending an event › Participating in or organising a conference

Delft University of Technology
Pierobon, L. (Visiting researcher)
30 Apr 2013 → 10 Sep 2013
Activity: Visiting an external institution › Visiting another research institution
3rd International Tribology Symposium of IFToMM
Poulios, K. (Participant)
19 Mar 2013 → 21 Mar 2013
Activity: Attending an event › Participating in or organising a conference

DCAMM 14th Internal Symposium
Christiansen, C. K. (Participant)
13 Mar 2013 → 15 Mar 2013
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

DCAMM 14th Internal Symposium
Dou, S. (Participant)
13 Mar 2013 → 15 Mar 2013
Activity: Attending an event › Participating in or organising a conference

Business Course for Industrial PhD Students
Costache, A. (Participant)
4 Feb 2013 → 8 Feb 2013
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Journal of Intelligent Manufacturing (Journal)
Puthumana, G. (Reviewer)
1 Jan 2013 → …
Activity: Research › Peer review of manuscripts

1st Symposium on Advances in Refrigeration and Heat Pump Technology
Wronski, J. (Organizer)
2012 → …
Activity: Attending an event › Participating in or organising a conference

1st Symposium on Advances in Refrigeration and Heat Pump Technology
Holten-Tingleff, F. (Organizer)
2012
Activity: Attending an event › Participating in or organising a conference

Experimental determination of (p, ρ, T) data for mixtures of carbon dioxide with methane for indirect calorific value determination of non-conventional energy gases
Montagud, M. E. M. (Guest lecturer), César R. Chamorro (Guest lecturer), José J. Segovia (Guest lecturer), Miguel A. Villamanan (Guest lecturer), Teresa Fernandez (Other), Frederique Haloua (Guest lecturer)
2012
Activity: Talks and presentations › Conference presentations

Sustainability-Driven Innovation through Product-Service Systems (External organisation)
McAlone, T. C. (External examiner)
20 Dec 2012
Activity: Examinations and supervision › External examination

Fracture Mechanics for Laminated Composite Structures
Costache, A. (Participant)
15 Oct 2012 → 18 Oct 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Characterisation of best practices in eco-design for the training of engineering designers: Summary of dimensions, methods, tools and activities (External organisation)
McAlone, T. C. (Participant)
11 Oct 2012
Activity: Membership › Membership in review committee
Ecodesign implementation for complex industrial systems: From scenario-based LCA to the definition of an eco-innovative R&D projects portfolio (External organisation)
McAloone, T. C. (External examiner)
28 Sep 2012
Activity: Examinations and supervision › External examination

Charting of ecodesign experiences, needs and perspectives
McAloone, T. C. (Keynote speaker)
20 Sep 2012
Activity: Talks and presentations › Conference presentations

Product/Service-Systems Design from an Engineering Perspective
McAloone, T. C. (Keynote speaker)
19 Sep 2012
Activity: Talks and presentations › Conference presentations

Strain and defect structure in individual subgrains: Summer School Scattering methods for the analysis of the structure of matter, International Max Planck Research School, Stuttgart, Germany
Pantleon, W. (Invited speaker)
17 Sep 2012 → 20 Sep 2012
Activity: Talks and presentations › Conference presentations

NeuroDesign - Second workshop (held at CBS)
Maier, A. (Participant)
10 Sep 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Product/Service-System Strategies, Design and Markets
McAloone, T. C. (Speaker)
9 Sep 2012
Activity: Talks and presentations › Conference presentations

10th International Conference on Sandwich Structures
Costache, A. (Speaker)
29 Aug 2012
Activity: Talks and presentations › Conference presentations

Open innovation practices in a cluster context: A Medicon Valley case study
McAloone, T. C. (Keynote speaker)
29 Aug 2012
Activity: Talks and presentations › Conference presentations

NordDesign 2012
McAloone, T. C. (Participant)
22 Aug 2012 → 24 Aug 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Beyond x-ray line profiles: perceiving dislocation structures from high resolution reciprocal space mapping
Pantleon, W. (Invited speaker)
6 Aug 2012 → 10 Aug 2012
Activity: Talks and presentations › Conference presentations

European Fuel Cell Forum 2012
Harthøj, A. (Participant)
26 Jun 2012 → 29 Jun 2012
Ecodesign workshop
McAlone, T. C. (Organizer)
25 Jun 2012 → 29 Jun 2012
Activity: Attending an event › Participating in or organising a conference

Modal Analysis of Nonlinear Mechanical Systems
Dou, S. (Participant)
25 Jun 2012 → 29 Jun 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Topology Optimization in Structural and Continuum Mechanics
Dou, S. (Participant)
18 Jun 2012 → 22 Jun 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

SUR/FIN Manufacturing and Technology Conference 2012
Harthøj, A. (Participant)
11 Jun 2012 → 13 Jun 2012
Activity: Attending an event › Participating in or organising a conference

Danish Metallurgical Society symposium 2012
Harthøj, A. (Participant)
6 Jun 2012
Activity: Attending an event › Participating in or organising a conference

Strategic approaches to product/service-systems: Strategy, design and practice
McAlone, T. C. (Lecturer)
5 Jun 2012 → 6 Jun 2012
Activity: Talks and presentations › Conference presentations

NeuroDesign - First workshop (held at DTU)
Maier, A. (Organizer)
4 Jun 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Teaching, learning and creativity (UDTU): Examples from the lecture theatre – and the design studio
McAlone, T. C. (Speaker)
27 May 2012
Activity: Talks and presentations › Conference presentations

12th International design conference
McAlone, T. C. (Participant)
21 May 2012 → 24 May 2012
Activity: Attending an event › Participating in or organising a conference

Analysis and Design Optimisation of Laminated Composite Structures
Costache, A. (Participant)
21 May 2012 → 25 May 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Ecodesign Maturity Model: a framework to support companies in the selection and implementation of ecodesign practices
(External organisation)
McAlone, T. C. (Participant)
14 May 2012
Activity: Membership › Membership in review committee

**PSS Workshop Series**
McAloone, T. C. (Participant)
11 May 2012
Activity: Attending an event › Participating in or organising a conference

**Tour of Elplatek A/S 2012**
Harthøj, A. (Other)
10 Apr 2012
Activity: Talks and presentations › Conference presentations

**PROTEUS-Workshops**
McAloone, T. C. (Organizer)
20 Mar 2012
Activity: Attending an event › Participating in or organising a conference

**Environmentally conscious design of medical devices (External organisation)**
McAloone, T. C. (Chairman)
13 Mar 2012
Activity: Membership › Membership in review committee

**Monitoring strain path changes by high resolution reciprocal space mapping**
Pantleon, W. (Invited speaker)
11 Mar 2012 → 15 Mar 2012
Activity: Talks and presentations › Conference presentations

**Creating a business plan**
McAloone, T. C. (Lecturer)
6 Mar 2012
Activity: Talks and presentations › Conference presentations

**European Robotics Forum 2012**
Özkil, A. G. (Organizer)
5 Mar 2012
Activity: Attending an event › Participating in or organising a conference

**Cranfield IMRC PSS Dissemination Day**
McAloone, T. C. (Participant)
22 Feb 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Lektion 4 i 41982, korrosion og materialevaig**
Harthøj, A. (Lecturer)
22 Feb 2012
Activity: Talks and presentations › Conference presentations

**A Value-centric Decision Making Framework for Maintenance Services Outsourcing (External organisation)**
McAloone, T. C. (Chairman)
21 Feb 2012
Activity: Membership › Membership in review committee

**The Future of Eco-Innovation**
McAloone, T. C. (Participant)
19 Jan 2012 → 20 Jan 2012
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
Sekretær i bestyrelse for Dansk Metallurgisk Selskab (External organisation)
Winther, G. (Secretary)
2011 → 2015
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Danish Electrochemical Society annual meeting 2011
Harthøj, A. (Participant)
29 Sep 2011 → 30 Sep 2011
Activity: Attending an event › Participating in or organising a conference

Omega-3 food emulsions: Control and investigation of molecular structure in relation to lipid oxidation
Jensen, L. H. S. (Lecturer)
26 Sep 2011
Activity: Talks and presentations › Conference presentations

SUR/FIN Manufacturing and Technology Conference 2011
Harthøj, A. (Participant)
13 Jun 2011 → 15 Jun 2011
Activity: Attending an event › Participating in or organising a conference

Omega-3 food emulsions: Control and investigation of molecular structure in relation to lipid oxidation
Jensen, L. H. S. (Lecturer)
9 Jun 2011
Activity: Talks and presentations › Conference presentations

Danish Metallurgical Society symposium 2011
Harthøj, A. (Participant)
6 Jun 2011
Activity: Attending an event › Participating in or organising a conference

Tour at Elplatek 2011
Harthøj, A. (Other)
8 Apr 2011
Activity: Talks and presentations › Conference presentations

New Trends in Applied Geometry
Pedersen, N. L. (Participant)
20 Feb 2011 → 25 Feb 2011
Activity: Attending an event › Participating in or organising a conference

New Trends in Applied Geometry
Gersborg, A. R. (Participant)
20 Feb 2011 → 25 Feb 2011
Activity: Attending an event › Participating in or organising a conference

Dansk Metallurgisk Selskab (External organisation)
Winther, G. (Secretary)
25 Jan 2011 → 25 Jan 2017
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

New Trends in Applied Geometry
Gersborg, A. R. (Participant)
14 Jan 2011
Activity: Attending an event › Participating in or organising a conference
New Trends in Applied Geometry
Pedersen, N. L. (Participant)
14 Jan 2011
Activity: Attending an event › Participating in or organising a conference

Improvement and automation of a single sinker densimeter for the determination of (p, ρ, T) properties of mixtures of gases related with biogas
Montagud, M. E. M. (Speaker), José J. Segovia (Guest lecturer), César R. Chamorro (Guest lecturer), Miguel A. Villamanan (Guest lecturer), Maria del Carmen Martin (Other), Rosa C Villamanan (Other)
2010
Activity: Talks and presentations › Conference presentations

Characterization of fish oil emulsions by electron microscopy
Jensen, L. H. S. (Lecturer)
13 Oct 2010
Activity: Talks and presentations › Conference presentations

Characterization of fish oil emulsions by electron microscopy
Jensen, L. H. S. (Lecturer)
5 Jun 2010
Activity: Talks and presentations › Conference presentations

Electron microscopy of fully hydrated soft and liquid samples
Jensen, L. H. S. (Lecturer)
3 Jun 2010
Activity: Talks and presentations › Conference presentations

International Workshop on Optical Waveguide Theory and Numerical Modelling (OWTNM); 19
Sigmund, O. (Speaker)
9 Apr 2010 → 10 Apr 2010
Activity: Talks and presentations › Conference presentations

Electron microscopy of fully hydrated soft and liquid samples
Jensen, L. H. S. (Lecturer)
11 Mar 2010
Activity: Talks and presentations › Conference presentations

Influence of New Sol-gel Refractory Coating on the Casting Properties of Cold Box and Furan Cores for Grey Cast iron: Presented at the 69. World Foundry Congress, Hangzhou 2010
Nwaogu, U. C. (Speaker)
1 Jan 2010 → …
Activity: Talks and presentations › Conference presentations

Influence of New Sol-gel Refractory Coating on the Casting Properties of Cold Box and Furan Cores for Grey Cast iron: Presented at the 69. World Foundry Congress, Hangzhou 2010
Tiedje, N. S. (Speaker)
1 Jan 2010 → …
Activity: Talks and presentations › Conference presentations

3D simulations of self-propelled, video reconstructed jellyfish using vortex methods
Rasmussen, J. T. (Participant)
22 Nov 2009 → 24 Nov 2009
Activity: Attending an event › Participating in or organising a conference
3D simulations of self-propelled, video reconstructed jellyfish using vortex methods
Storti, F. (Participant)
22 Nov 2009 → 24 Nov 2009
Activity: Attending an event › Participating in or organising a conference

Comsol Conference 2008
Sigmund, O. (Participant)
4 Nov 2008 → 6 Nov 2008
Activity: Attending an event › Participating in or organising a conference

Laser operator kursus
Olsen, F. O. (Other)
2 Oct 2008
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

ASME 2008 International Design Engineering Technical Conferences and Computers and Information In Engineering Conference
Sigmund, O. (Participant)
Activity: Attending an event › Participating in or organising a conference

2008 MRS Spring Meeting & Exhibit
Sigmund, O. (Participant)
Activity: Attending an event › Participating in or organising a conference

Laser Operator Kursus
Olsen, F. O. (Other)
14 Feb 2008
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Design Society Advisory Board (External organisation)
McAloone, T. C. (Participant)
Aug 2007 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Selskabet for Maskinteknisk Proces- og Produktionsteknik ( ATV-SEMAPP) (External organisation)
Olsen, F. O. (Chairman)
30 Apr 1998 → 29 Apr 2010
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Prizes:

3rd prize winner at Grøn Dyst (Green Challenge) 2016 in the category "Master thesis idea"
Henrik Pieper (Recipient), 24 Jun 2016
Prize: Prizes, scholarships, distinctions

Alexander Foss MADE award
Sara Shafiee (Recipient), 30 Nov 2017
Prize: Prizes, scholarships, distinctions

Civilingenør Kristian Rasmussen og hustru Gunhild Katrine Rasmussens Fond
Danilo Quagliotti (Recipient), Jan 2017
Prize: Prizes, scholarships, distinctions
DTU’s Young Researcher award
Matteo Villa (Recipient), 31 Oct 2014
Prize: Prizes, scholarships, distinctions

DTU’s Young Researcher Award 2017
Joe Alexandersen (Recipient), 27 Oct 2017
Prize: Prizes, scholarships, distinctions

Fabriksejer, Civilingeniør Louis Dreyer Myhrwold og hustru Janne Myhrwolds Fond
Danilo Quagliotti (Recipient), 30 Oct 2015
Prize: Prizes, scholarships, distinctions

Green Challenge 2014
Malene Hovgaard Vested (Recipient), 27 Jun 2014
Prize: Prizes, scholarships, distinctions

Green Talents Award 2015
Maria E. Mondejar Montagud (Recipient), Oct 2015
Prize: Prizes, scholarships, distinctions

Idella Foundation
Danilo Quagliotti (Recipient), 20 Jun 2016
Prize: Prizes, scholarships, distinctions

Innovationsfonden Prize 2018
Sara Shafiee (Recipient), 2018
Prize: Prizes, scholarships, distinctions

ISSMO/Springer Prize for Young Scientist 2015
Joe Alexandersen (Recipient), 2015
Prize: Prizes, scholarships, distinctions

Otto Mønsteds Fond
Danilo Quagliotti (Recipient), 15 Mar 2016
Prize: Prizes, scholarships, distinctions

Outstanding Reviewer Award
David R. Fuhrman (Recipient), 2015
Prize: Prizes, scholarships, distinctions

Third Price EFC17 Best Paper Awards
Søren Højgaard Jensen (Recipient), Hendrik Langnickel (Recipient), Nils Hintzen (Recipient), Ming Chen (Recipient), Xiufu Sun (Recipient), Anne Hauch (Recipient), Giacomo Butera (Recipient) & Lasse Rengaard Clausen (Recipient), 13 Dec 2017
Prize: Prizes, scholarships, distinctions

Tom Bell Young Author Award
Matteo Villa (Recipient), 21 Apr 2016
Prize: Prizes, scholarships, distinctions

Young Scientist Award: 6th ACE-X Conference, Istanbul, Turkey 2012
Michael Wenani Nielsen (Recipient), 4 Jul 2012
Prize: Prizes, scholarships, distinctions
Press clippings:

**Conceptual Modelling for Product Configuration Systems - Defence**
Sara Shafiee
11/09/2017
1 media contribution
Press / Media

**PhD, Sara Shafiee, DTU Management Engineering and Haldor Topsøe: PhD, Sara Shafiee, DTU Management Engineering and Haldor Topsøe**
Sara Shafiee
28/10/2016
1 media contribution
Press / Media

**Smag på din fremtid: Ny teknologi kommer til at påvirke din hverdag - der forskes bredt. Også i fremtidens øl.**
Joe Alexandersen
18/06/2014
1 media contribution
Press / Media