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Advanced free-form micro tooling: Final. COTECH EU FP7 Integrated Project (Grant Agreement no.: CP-IP 214491-2)
Publication: Research - peer-review › Report – Annual report year: 2011

A friction model for cold forging of aluminum, steel and stainless steel provided with conversion coating and solid film lubricant
Bay, N., Eriksen, M., Tan, X. & Wibom, O. 2011 In : C I R P Annals. 60, 1, p. 303-306
Publication: Research - peer-review › Journal article – Annual report year: 2011

Air Flow and Gassing Potential in Micro-injection Moulding
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

A new pair of hard-soft plastic combination for precision manufacturing of two component plastic parts.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Application of hard coatings for blanking and piercing tools
Podgornik, B., Zajec, B., Bay, N. & Vižintin, J. 2011 In : Wear. 270, 11-12, p. 850-856
Publication: Research - peer-review › Journal article – Annual report year: 2011

Asperity deformation during running-in
Publication: Research - peer-review › Conference article – Annual report year: 2011

Automatic synthesis of MEMS devices using self-adaptive hybrid metaheuristics
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2011

Autonomous Optimization of a Solidification Pattern and Its Effect on Porosity and Segregation in Steel Castings
Publication: Research › Article in proceedings – Annual report year: 2011
Backward can extrusion with conical, rotating punch as a cold forging tribology test
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Cavity air flow behavior during filling in microinjection molding
Publication: Research - peer-review › Journal article – Annual report year: 2011

Characterisation of multifunctional surfaces with robust filters
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Characterisation and robust filtering of multifunctional surfaces using ISO standards
Friis, K. S., Godi, A. & De Chiffre, L. 2011 In : Measurement Science and Technology. 22, 12, p. 125101
Publication: Research - peer-review › Journal article – Annual report year: 2011

Characterization of multifunctional surfaces during fabrication
Godi, A., Friis, K. S. & De Chiffre, L. 2011 Proceedings of 11th International Conference of the European Society for Precision Engineering & Nano Technology. euspen
Publication: Research › Article in proceedings – Annual report year: 2011

Characterization of ultra-fine surfaces produced by robot assisted polishing
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Cold Welding
Publication: Research - peer-review › Book chapter – Annual report year: 2011

Computed tomography for dimensional metrology
Publication: Research - peer-review › Journal article – Annual report year: 2011

Deepwind - an innovative wind turbine concept for offshore
Publication: Research › Article in proceedings – Annual report year: 2011

Demonstrator design for high risk process: COTECH Deliverable 7.1.3 (CP-IP 214491-2)
Publication: Research - peer-review › Report – Annual report year: 2011

Dimensional metrology for process and part quality control in micro manufacturing
Publication: Research - peer-review › Journal article – Annual report year: 2011

Direct probing of evanescent field for characterization of porous terahertz fibers
Effects of glass fibers on the properties of micro molded plastic parts
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Effects of Glass Fibres on the Properties of Micro Moulded Plastic Parts
Publication: Research › Journal article – Annual report year: 2012

Ensaio de Compressão com Discos Empilhados
Publication: Research › Paper – Annual report year: 2012

Establishment of sub-µm structured polymer surfaces texture using a non-conventional approach
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Experimental evaluation of the pseudotime principle for nonisothermal polymer flows
Publication: Research - peer-review › Journal article – Annual report year: 2011

Experimental investigation on 3D-SEM reconstructions of a wire gauge using stereo-pair technique
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Failure mechanisms in single-point incremental forming of metals
Publication: Research - peer-review › Journal article – Annual report year: 2011

Feasibility of wear compensation in micro EDM milling based on discharge counting and discharge population characterization
Publication: Research - peer-review › Journal article – Annual report year: 2011

Filament Stretching Rheometry
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2011

Foundry Coating Technology: A Review
Nwaogu, U. C. & Tiedje, N. S. 2011 In : Materials Sciences and Applications. 2, 8, p. 1143-1160
Publication: Research - peer-review › Journal article – Annual report year: 2011

Geometrical metrology on silicone rubber by computed tomography
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Geometrical metrology on vacuum cast silicone rubber form using computed tomography
Publication: Research - peer-review › Report – Annual report year: 2011
High Accuracy Three-dimensional Simulation of Micro Injection Moulded Parts
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Higher-level Innovization: A Case Study from Friction Stir Welding Process Optimization
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

High-temperature lead-free solder alternatives
Nachiappan, V. C., Hattel, J. H. & Hald, J. 2011 In: Microelectronic Engineering. 88, 6, p. 981-989
Publication: Research - peer-review › Journal article – Annual report year: 2011

Hole quality and burr reduction in drilling aluminium sheets
Publication: Research › Article in proceedings – Annual report year: 2012

Humidity insensitive TOPAS polymer fiber Bragg grating sensor
Yuan, S. W., Khan, L., Webb, D. J., Kalli, K., Rasmussen, H. K., Stefani, A. & Bang, O. 2011 In : Optics Express. 19, 20, p. 19731-19739
Publication: Research - peer-review › Journal article – Annual report year: 2011

Hybrid Search for Faster Production and Safer Process Conditions in Friction Stir Welding
Tutum, C. C., Deb, K. & Hattel, J. H. 2011 In : Lecture Notes in Computer Science. 6457, p. 603-612
Publication: Research - peer-review › Conference article – Annual report year: 2011

Introduction to computed tomography
Publication: Research › Report – Annual report year: 2012

Investigation of measuring strategies in computed tomography
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Investigation of the stability of melt flow in gating systems
Publication: Research - peer-review › Journal article – Annual report year: 2010

Measurement of micro moulded parts by Computed Tomography and comparison to optical and tactile techniques
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Mechanical Contact Experiments and Simulations
Publication: Research - peer-review › Conference article – Annual report year: 2011
Micro Injection Moulding High Accuracy Three-Dimensional Simulations and Process Control
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Modeling of flow of particles in a non-Newtonian fluid using lattice Boltzmann method
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Mode profiling of THz fibers with dynamic aperture near-field imaging
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Multi-Criteria Layout Synthesis of MEMS Devices Using Memetic Computing
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Multiple height calibration artefact for 3D microscopy
De Chiffre, L., Carli, L. & Eriksen, R. S. 2011 In : C I R P Annals. 60, 1, p. 535-538
Publication: Research - peer-review › Journal article – Annual report year: 2011

Multistage single point incremental forming.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

New lubricant systems for cold and warm forging – advantages and limitations
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

New Sol-Gel Coatings to Improve Casting Quality
Publication: Research › Ph.D. thesis – Annual report year: 2012

New sol–gel refractory coatings on chemically-bonded sand cores for foundry applications to improve casting surface quality
Publication: Research - peer-review › Journal article – Annual report year: 2011

Numerical Modeling of Fluid Flow in the Tape Casting Process
Publication: Research - peer-review › Conference article – Annual report year: 2011

Numerical optimisation of friction stir welding: review of future challenges
Publication: Research - peer-review › Journal article – Annual report year: 2011

Numerical simulation of lubrication mechanisms at mesoscopic scale
Publication: Research - peer-review › Conference article – Annual report year: 2011
Optical fibre Bragg grating recorded in TOPAS cyclic olefin copolymer
Publication: Research - peer-review › Journal article – Annual report year: 2011

Optimization in Friction Stir Welding - With Emphasis on Thermo-mechanical Aspects
Publication: Research - peer-review › Book – Annual report year: 2011

Optimization of Casting Process Parameters for Homogeneous Aggregate Distribution in Self-Compacting Concrete: A Feasibility Study
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Porous-core honeycomb bandgap THz fiber
Publication: Research - peer-review › Journal article – Annual report year: 2011

Process Factors Influence on Cavity Pressure Behavior in Microinjection Moulding
Publication: Research - peer-review › Journal article – Annual report year: 2011

Reference micro-objects and procedures to establish traceability in micro metrology: Final. COTECH EU FP7 Integrated Project (Grant Agreement no.: CP-IP 214491-2)
Publication: Research - peer-review › Report – Annual report year: 2011

Replication of micro and nano surface geometries
Hansen, H. N., Hocken, R. J. & Tosello, G. 2011 In : C I R P Annals. 60, 2, p. 695-714
Publication: Research - peer-review › Journal article – Annual report year: 2011

Replication quality control of metal and polymer micro structured optical surfaces
Publication: Research - peer-review › Journal article – Annual report year: 2011

Report on condition and monitoring platform for effective process control techniques: Final. COTECH EU FP7 Integrated Project (Grant Agreement no.: CP-IP 214491-2)
Publication: Research - peer-review › Report – Annual report year: 2011

Report on design rules of μ-tools for hybrid tooling: Final. COTECH EU FP7 Integrated Project (Grant Agreement no.: CP-IP 214491-2)
Publication: Research - peer-review › Report – Annual report year: 2011

Report on design rules of μ-tools for standard insert: Final. COTECH EU FP7 Integrated Project (Grant Agreement no.: CP-IP 214491-2)
Publication: Research - peer-review › Report – Annual report year: 2011
Report on experimental research and best practice for surface treatment solutions: Final. COTECH EU FP7 Integrated Project (Grant Agreement no.: CP-IP 214491-2)
Publication: Research - peer-review › Report – Annual report year: 2011

Report on tolerancing guidelines for micro manufacturing: Final. COTECH EU FP7 Integrated Project (Grant Agreement no.: CP-IP 214491-2)
Publication: Research - peer-review › Report – Annual report year: 2011

Reproducibility of surface roughness in reaming
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Reproducibility of surface roughness in reaming
Publication: Research - peer-review › Report – Annual report year: 2011

Resistance microwelding of 316L stainless steel wire to block
Publication: Research - peer-review › Journal article – Annual report year: 2011

Reversed planar elongation of soft polymeric networks
Publication: Research - peer-review › Journal article – Annual report year: 2011

Revisiting the Fundamentals and Capabilities of the Stack Compression Test
Publication: Research - peer-review › Journal article – Annual report year: 2011

Scale effects in metal-forming friction and lubrication
Publication: Research - peer-review › Journal article – Annual report year: 2011

Selective metallization of polymers using laser induced surface activation (LISA)—characterization and optimization of porous surface topography
Publication: Research - peer-review › Journal article – Annual report year: 2011

Single-Point Incremental Forming
Publication: Research - peer-review › Book chapter – Annual report year: 2011

Spontaneous Breakup of Extended Monodisperse Polymer Melts
Publication: Research - peer-review › Journal article – Annual report year: 2011

State-of-the-Art Multi-Objective Optimisation of Manufacturing Processes Based on Thermo-Mechanical Simulations
Publication: Research - peer-review › Book chapter – Annual report year: 2011
Stress maximum and steady extensional flow of branched polymer melts
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2011

Surface Nano Structures Manufacture Using Batch Chemical Processing Methods for Tooling Applications
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Surface topography analysis for dimensional quality control of replication at the micrometre scale
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Suspension of Water Droplets on Individual Pillars
Publication: Research - peer-review › Journal article – Annual report year: 2011

Testing and modelling of new tribo-systems for industrial sheet forming of stainless steels
Publication: Research - peer-review › Journal article – Annual report year: 2011

Testing a New Microporous Lubricant Carrier for Cold Forging
Ceron, E., Bay, N., Arentoft, M. & Tang, P. T. 2011 In : Steel Research International. 82, Special issue, p. 240-244
Publication: Research - peer-review › Conference article – Annual report year: 2011

Test of Tribological Performance of Robot Assisted Polished Tool Surfaces
Eriksen, R. S., Arentoft, M., Granbæk, J. & Bay, N. 2011 In : Steel Research International. 82, Special issue, p. 1108-1111
Publication: Research - peer-review › Conference article – Annual report year: 2011

The dynamics of cylindrical samples in dual wind-up extensional rheometers
Publication: Research - peer-review › Journal article – Annual report year: 2011

Three-Sheet Spot Welding of Advanced High-Strength Steels
Publication: Research - peer-review › Journal article – Annual report year: 2011

Towards the first generation micro bulk forming system
Arentoft, M., Eriksen, R. S., Hansen, H. N. & Paldan, N. A. 2011 In : C I R P Annals. 60, 1, p. 335-338
Publication: Research - peer-review › Journal article – Annual report year: 2011

Traceable surface characterization using replica moulding technology
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Trends and Visions in Metal Forming Tribology
Bay, N. 2011 In : Steel Research International. 82, Special issue, p. 15-26
Publication: Research - peer-review › Conference article – Annual report year: 2011
Uncertainty evaluation for three-dimensional scanning electron microscope reconstructions based on the stereo-pair technique
Publication: Research - peer-review › Journal article – Annual report year: 2011

Validation of three-dimensional micro injection molding simulation accuracy
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Verification of a CT scanner using a miniature step gauge
Cantatore, A., Andreasen, J. L., Carmignato, S., Müller, P. & De Chiffre, L. 2011 Proceedings of 11th International Conference of the European Society for Precision Engineering & Nano Technology. euspen
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Development of lead-free solders for high-temperature applications
Publication: Research › Ph.D. thesis – Annual report year: 2010

Process optimization of friction stir welding based on thermal models
Publication: Research › Ph.D. thesis – Annual report year: 2010

Advanced Anodising Technology (Avanceret Anodiserings Teknologi)
Publication: Research › Ph.D. thesis – Annual report year: 2010

Optimization of Thermo-mechanical Conditions in Friction Stir Welding
Publication: Research › Ph.D. thesis – Annual report year: 2010

3D modeling of dual wind-up extensional rheometers
Publication: Research - peer-review › Journal article – Annual report year: 2010

3D-SEM Metrology for Coordinate Measurements at the Nanometer Scale
Publication: Research › Ph.D. thesis – Annual report year: 2011

3D Simulation of Nano-Imprint Lithography
Publication: Research - peer-review › Journal article – Annual report year: 2010

A Casting Yield Optimization Case Study: Forging Ram
Publication: Research - peer-review › Journal article – Annual report year: 2010

Accuracy optimization of high-speed AFM measurements using Design of Experiments
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010
A comprehensive parameter study of an active magnetic regenerator using a 2D numerical model
Publication: Research - peer-review › Journal article – Annual report year: 2010

A Multi-objective Optimization Application in Friction Stir Welding: Considering Thermo-mechanical Aspects
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Analysis and Modelling of Electrode Wear in Resistance Spot Welding
Publication: Research › Article in proceedings – Annual report year: 2010

An analytical model for force prediction in ball nose micro milling of inclined surfaces
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Application of Hard Coatings for Improved Tribological Performance of Blanking and Piercing Tools
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

A quantitative lubricant test for deep drawing
Publication: Research - peer-review › Journal article – Annual report year: 2010

Asperity deformation during running-in
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Broadband polymer microstructured THz fiber coupler with downdoped cores
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Broadband terahertz fiber directional coupler
Publication: Research - peer-review › Journal article – Annual report year: 2010

Cavity Pressure Behaviour in Micro Injection Moulding
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Characterization of Laser Machined Polymer Surface Using Bearing Area Curve Parameters for Future Plating
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Constraints on the Adiabatic Temperature Change in Magnetocaloric Materials
Publication: Research - peer-review › Journal article – Annual report year: 2010
Design of lead-free candidate alloys for high-temperature soldering based on the Au–Sn system
Chidambaram, V., Hattel, J. H. & Hald, J. 2010 In : Materials & Design. 31, 10, p. 4638-4645
Publication: Research - peer-review › Journal article – Annual report year: 2010

Development of Au-Ge based candidate alloys as an alternative to high-lead content solders
Publication: Research - peer-review › Journal article – Annual report year: 2010

Direct testing of scale effects in metal forming friction and lubrication
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Does the interchain pressure effect exist in flow of polymer melt?
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Effects of moulding and environmental conditions on the mechanical and surface properties of injection moulded santoprene rubber
Islam, A., Ruby, T. M. & Jessen, R. L. 2010
Publication: Research › Poster – Annual report year: 2010

Effects of organic acid pickling on the corrosion resistance of magnesium alloy AZ31 sheet
Publication: Research - peer-review › Journal article – Annual report year: 2010

Electroless Plating on Plastic Induced by Selective Laser Activation
Publication: Research - peer-review › Conference article – Annual report year: 2010

Emission of organic compounds from mould and core binders used for casting iron, aluminium and bronze in sand moulds
Publication: Research - peer-review › Journal article – Annual report year: 2010

End of life environmental assessment of micro technologies: the need for the carrot or the stick?
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Environmentally Benign Lubricant Systems For Cold, Warm And Hot Forging: Keynote paper
Publication: Research › Article in proceedings – Annual report year: 2010

Environmentally Benign Lubricant Systems for Sheet Metal Stamping: Keynote paper
Publication: Research › Article in proceedings – Annual report year: 2010

Environmentally Benign Tribo-systems for Metal Forming: Keynote paper
Publication: Research - peer-review › Journal article – Annual report year: 2010

Error sources in atomic force microscopy for dimensional measurements: Taxonomy and modeling
Experimental evaluation of the pure configurational stress assumption in the flow dynamics of entangled polymer melts
Rasmussen, H. K., Bejenariu, A. G., Hassager, O. & Auhl, D. 2010 In : Journal of Rheology. 54, 6, p. 1325-1336

Experimental investigation of the factors influencing the polymer-polymer bond strength during two-component injection moulding

Experimental investigation on the influence of instrument settings on pixel size and nonlinearity in SEM image formation

Extension of cylindrical samples in the Sentmanat Extensional Rheometer (SER)

Friction in sheet metal forming: A Comparison between milled and manually polished surfaces

Green Lubricants for Metal Forming: Keynote paper

Influence of annealing and deformation on optical properties of ultra precision diamond turned and anodized 6060 aluminium alloy

Influence of New Sol-gel Refractory Coating on the Casting Properties of Cold Box and Furan Cores for Grey Cast iron.

Influence of surface texture on the galling characteristics of lean duplex and austenitic stainless steels

Projects:

High Precision Process Chains for the Mass Production of Functional Structured Surfaces
Quagliotti, D.
01/01/2018 → 31/12/2020
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

MICROMAN, Process Fingerprint for Zero-defect NET-shape
01/10/2015 → 30/09/2019
Project

Exhaust Gas Valve for High Temperatures
Hattel, J. H. & Sonne, M. R.
01/01/2015 → 31/12/2017
Project

FMAT
Mahshid, R. & Hansen, H. N.
15/09/2014 → ...
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

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

Quality control and tolerance verification of complex castings by means of optical methods
Mohaghegh, K.
01/11/2013 → 01/11/2016
Project

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

BLADERUNNER - Large scale cost-effective robotic production of advanced formwork
Hattel, J. H., Petkov, K. & Gravesen, J.
01/03/2013 → 31/08/2016
Project

Micro punching of micro containers for oral drug delivery
Petersen, R. S., Mahshid, R. & Hansen, H. N.
21/01/2013 → 13/11/2014
Project

High Precision Micro Production Technologies
Tosello, G., Islam, A., Marhöfer, D. M. & Giannekas, N.
30/10/2012 → 30/11/2015
Project
High Precision Micro Production Technologies
Quagliotti, D.
30/10/2012 → 30/11/2015
Project

Dimensionally stable reflow polishing of molding tools
Mohaghegh, K.
01/09/2012 → 31/10/2013
Project

IFaCOM– Intelligent Fault Correction and selfOptimizing Manufacturing systems
Mohaghegh, K.
01/05/2012 → 31/08/2012
Project

Yaw Drive Unit
Mohaghegh, K.
01/02/2012 → 31/05/2012
Project

Multi-Functional Surfaces
Mohaghegh, K.
01/10/2011 → 31/01/2012
Project

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

Nanotribology
Hansen, H. N., Tosello, G., De Grave, A. & Sivebæk, I. M.
01/07/2007 → 30/11/2009
Project

Stressforebyggelse i videnarbejdet : - mellem begejstring og belastning
01/10/2006 → 31/12/2009
Project

Alloy development for overlay welding in waste incineration plants
Tiedje, N. S.
01/09/2006 → 31/08/2009
Project

Quality and values in the job
Jørgensen, M. S., Bilfeldt, A. & Meyer-Johansen, H.
01/01/2006 → 31/12/2008
Project

Center for metalliske mikroprodukter
Hansen, H. N., Bay, N. O. & Eriksen, R. S.
01/10/2005 → 30/09/2010
Project
Research in System Deliveries within Construction  
Hvam, L., Tølle, M. & Thomassen, M.  
01/09/2005 → 01/03/2006  
Project

SYNOPSIS  
Jørgensen, U., Clausen, C., Yoshinaka, Y. & McAloone, T. C.  
01/12/2000 → 01/06/2006  
Project

EFFORTS - Enhanced framework for forging design using reliable three-dimensional simulation  
01/04/1997 → 31/03/2000  
Project

MUP2 - Center for Structural Materials - MP2M - Materials processing, Properties and Modelling  
01/05/1994 → 28/02/1999  
Project

Activities:

Journal of Manufacturing Processes (Journal)  
Davoudinejad, A. (Reviewer)  
Jun 2018  
Activity: Research › Peer review of manuscripts

Materials (Journal)  
Davoudinejad, A. (Peer reviewer)  
Jun 2018  
Activity: Research › Peer review of manuscripts

Additive manufacturing with vat polymerization method for precision polymer micro components production  
Davoudinejad, A. (Speaker)  
12 Jun 2018  
Activity: Talks and presentations › Conference presentations

International Journal of Mechanical Sciences (Journal)  
Davoudinejad, A. (Peer reviewer)  
May 2018  
Activity: Research › Peer review of manuscripts

Mechanical Systems and Signal Processing (Journal)  
Davoudinejad, A. (Peer reviewer)  
Mar 2018  
Activity: Research › Peer review of manuscripts

Metals (Journal)  
Davoudinejad, A. (Peer reviewer)  
Mar 2018  
Activity: Research › Peer review of manuscripts
Reproduction of multi-hierarchical structural surfaces by vat-photopolymerization
Mendez Ribo, M. (Speaker)
7 Feb 2018
Activity: Talks and presentations › Conference presentations

GREEN FIBER BOTTLE: TOWARDS A SUISTANABLE 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

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)
12 Dec 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

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

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

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

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

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

Massachusetts Institute of Technology
Hofstätter, T. (Visiting researcher)
1 Mar 2017 → 30 Jun 2017
Activity: Visiting an external institution › Visiting another research institution

Metrology for additively manufactured medical implants
Stolfi, A. (Participant)
3 Feb 2017 → 30 Apr 2017
Activity: Other

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)
Puthuman, 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.

**Supervision of PhD students at DTU**
Puthumana, G. (Participant)
14 Nov 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**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**
Quaglotti, D. (Speaker)
9 Nov 2016
Activity: Talks and presentations › Conference presentations

**University of Nottingham**
Quaglotti, 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.

**Making your research visible II**
Puthumana, G. (Participant)
6 Oct 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**Danish course 872**
Puthumana, G. (Participant)
3 Oct 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**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.

**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

**DTU Mekanik Sommerseminar 2016**
Puthumana, G. (Participant)
18 Aug 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
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

Motivation and Learning  
Puthumana, G. (Participant)  
22 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.

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.
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.

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.

PhD supervision
Puthumana, G. (Participant)
4 Apr 2016
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.

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.

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

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.
DTU Sustain conference 2015
Puthumana, G. (Speaker)
17 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.

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.

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

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.

Tolerance verification of a hearing aid component using Computed Tomography
Stolfi, A. (Participant)
1 Jun 2015 → 31 Jul 2015
Activity: Other

Transition from wet to dry friction
Sivebæk, I. M. (Invited speaker)
22 May 2015
Activity: Talks and presentations › Conference presentations

Acoustical technological facilities visit - DTU Elektro
Puthumana, G. (Participant)
13 May 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Analysis of Ingot Forging Damage Evolution Using Different Simulation Methods
Christiansen, P. (Invited speaker)
9 Mar 2015
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

Karlsruhe Institute of Technology KIT
Marhöfer, D. M. (Visiting researcher)
Oct 2014 → Dec 2014
Activity: Visiting an external institution › Visiting another research institution
Comparison of measurements using Computed Tomography and CMM
Stolfi, A. (Participant)
1 Oct 2014 → 9 Jan 2015
Activity: Other

Material and geometry characterization of FDM parts
Stolfi, A. (Participant)
15 Aug 2014 → 15 Nov 2015
Activity: Other

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

Atv-semapp micro-nano moulding: technologies and applications
Marhöfer, D. M. (Speaker)
13 Nov 2013
Activity: Talks and presentations › Conference presentations

Journal of Intelligent Manufacturing (Journal)
Puthumana, G. (Reviewer)
1 Jan 2013 → …
Activity: Research › Peer review of manuscripts

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

Laser operatør kursus
Olsen, F. O. (Other)
2 Oct 2008
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Laser Operatør Kursus
Olsen, F. O. (Other)
14 Feb 2008
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Selskabet for Maskinteknik 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:

Civilingeniør Kristian Rasmussen og hustru Gunhild Katrine Rasmussens Fond
Danilo Quagliotti (Recipient), Jan 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

**Idella Foundation**
Danilo Quagliotti (Recipient), 20 Jun 2016
Prize: Prizes, scholarships, distinctions

**Otto Mønsteds Fond**
Danilo Quagliotti (Recipient), 15 Mar 2016
Prize: Prizes, scholarships, distinctions

**Polymer Processing Society Graduate Travel Award**
Thomas Hofstätter (Recipient), 21 May 2018
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