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THz Waveguides, Devices and Hybrid Polymer-chalcogenide Photonic Crystal Fibers
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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

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

Scale effects in metal-forming friction and lubrication
Publication: Research - peer-review › Journal article – 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 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
Tóth, T., Ferraro, D., Chiarello, E., Pierro, M., Mistura, G., Bissacco, G. & Semprebon, C. 2011 In : Langmuir. 27, 8, p. 4742-4748
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., Grenbæk, J. & Bay, N. 2011 In : Steel Research International. 82, Special issue, p. 1108-1111
Publication: Research - peer-review › Journal 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
Publication: Research - peer-review > Journal article – Annual report year: 2010

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
Publication: Research - peer-review > Journal article – Annual report year: 2010

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
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Extension of cylindrical samples in the Sentmanat Extensional Rheometer (SER)
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2010

Friction in sheet metal forming: A Comparison between milled and manually polished surfaces
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Green Lubricants for Metal Forming: Keynote paper
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Influence of annealing and deformation on optical properties of ultra precision diamond turned and anodized 6060 aluminium alloy
Publication: Research - peer-review › Journal article – Annual report year: 2010

Influence of surface texture on the galling characteristics of lean duplex and austenitic stainless steels
Publication: Research › Article in proceedings – Annual report year: 2010

Influences of lubricant pocket geometry and working conditions upon micro lubrication mechanisms in upsetting and strip drawing
Publication: Research - peer-review › Journal article – Annual report year: 2010

Integrating measuring uncertainty of tactile and optical coordinate measuring machines in the process capability assessment of micro injection moulding
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

In-line monitoring and reverse 3D model reconstruction in additive manufacturing
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Investigation on a replica step gauge for optical 3D scanning of micro parts
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010
Large Amplitude Oscillatory Extension of Soft Polymeric Networks
Publication: Research - peer-review » Journal article – Annual report year: 2010

Laser Induced Selective Activation For Subsequent Autocatalytic Electroless Plating
Publication: Research » Ph.D. thesis – Annual report year: 2010

Micro-Bulk Forming
Publication: Research » Book chapter – Annual report year: 2010

Micro Injection Moulding
Publication: Research » Book chapter – Annual report year: 2010

Micro Mechanical Assembly
Publication: Research » Book chapter – Annual report year: 2010

Milled Die Steel Surface Roughness Correlation with Steel Sheet Friction
Publication: Research » Journal article – Annual report year: 2010

Modeling of dual cylinder wind-up extensional rheometers
Yu, K., Marin, J., Jensen, M., Rasmussen, H. K. & Hassager, O. 2010
Publication: Research » Conference abstract for conference – Annual report year: 2010

Multi-objective Optimization of Process Parameters in Friction Stir Welding
Tutum, C. C. & Hattel, J. H. 2010
Publication: Research » Poster – Annual report year: 2010

Numerical modeling and analysis of the active magnetic regenerator
Publication: Research » Ph.D. thesis – Annual report year: 2010

Numerical modeling of graded active magnetic regenerators
Publication: Research » Article in proceedings – Annual report year: 2010

Optimisation of process parameters in friction stir welding based on residual stress analysis: a feasibility study
Publication: Research » Journal article – Annual report year: 2010

Planar elongation of soft polymeric networks
Publication: Research » Journal article – Annual report year: 2010
Polymer friction Molecular Dynamics
Sivebæk, I. M., Samoilov, V. N. & Persson, B. N. J. 2010
Publication: Research - peer-review › Poster – Annual report year: 2010

Polymeric liquids in extension: fluid mechanics or rheometry?
Publication: Research - peer-review › Journal article – Annual report year: 2010

Prediction of the impact of flow induced inhomogeneities in Self Compacting Concrete (SCC)
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Process Condition Monitoring of Micro Moulding Using a Two-plunger Micro Injection Moulding Machine
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Replication and dimensional quality control of industrial nanoscale surfaces using calibrated AFM measurements and SEM image processing
Publication: Research - peer-review › Journal article – Annual report year: 2010

Report on best practice for improved μ-IM injection moulding simulation: Final. COTECH EU FP7 Integrated Project (Grant Agreement no.: CP-IP 214491-2)
Publication: Research - peer-review › Report – Annual report year: 2010

Report on converging insert moulding with μ-IM: COTECH D5.2.1
Publication: Research - peer-review › Report – Annual report year: 2010

Report on non-destructive traceable measuring technologies for micro systems metrology: Final. COTECH EU FP7 Integrated Project (Grant Agreement no.: CP-IP 214491-2)
Publication: Research - peer-review › Report – Annual report year: 2010

Report on tool transfer and alignment methods: Final. COTECH EU FP7 Integrated Project (Grant Agreement no.: CP-IP 214491-2)
Publication: Research - peer-review › Report – Annual report year: 2010

Resistance Welding of Advanced Materials and Micro Components
Publication: Research › Ph.D. thesis – Annual report year: 2010

Reversed extensional flow on polyisoprene melts
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010
Reversed extensional flow on polyisoprene melts
Publication: Research › Poster – Annual report year: 2010

Reversible large amplitude planar extension of soft elastomers
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2010

Reversible planar elongational of soft polymeric networks
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2010

Solidification, processing and properties of ductile cast iron
Tiedje, N. S. 2010 In : Materials Science and Technology. 26, 5, p. 505-514
Publication: Research - peer-review › Journal article – Annual report year: 2010

Spatially resolved measurements of the magnetocaloric effect and the local magnetic field using thermography
Publication: Research - peer-review › Journal article – Annual report year: 2010

Squeezing Molecularly thin Lubricant Films between curved Corrugated Surfaces with long range Elasticity
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2010

Strategic surface topographies for enhanced lubrication in sheet forming of stainless steel
Publication: Research - peer-review › Journal article – Annual report year: 2010

Strategies and limits in multi-stage single-point incremental forming
Publication: Research - peer-review › Journal article – Annual report year: 2010

Study of process parameters effect on the filling phase of micro injection moulding using weld lines as flow markers
Publication: Research - peer-review › Journal article – Annual report year: 2010

Surface texture metrology for high precision surfaces
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Sustainability of Micro-Manufacturing Technologies
Publication: Research - peer-review › Book chapter – Annual report year: 2010

Tactile and visual perception of injection moulded plastic parts: Tactile and visual perception
Publication: Research › Report – Annual report year: 2010
Uncertainty analysis of point-by-point sampling complex surfaces using touch probe CMMs DOE for complex surfaces verification with CMM
Barini, E. M., Tosello, G. & De Chiffre, L. 2010 In : Precision Engineering. 34, 1, p. 16-21
Publication: Research - peer-review › Journal article – Annual report year: 2010

Use of reference objects for correction of measuring errors in X-ray computed tomography
Publication: Research › Report – Annual report year: 2010

Using Molecular Dynamics in polymer friction
Sivebæk, I. M. 2010
Publication: Research › Sound/Visual production (digital) – Annual report year: 2010

Velocity Dependence of Friction of Confined Hydrocarbons
Publication: Research - peer-review › Journal article – Annual report year: 2010

Ventilation rates in the bedrooms of 500 Danish children
Publication: Research - peer-review › Journal article – Annual report year: 2010

Processability, Microstructure and Impact Properties of Injectionmoulded Poly(oxymethylene)
Publication: Research › Ph.D. thesis – Annual report year: 2009

2-dimensional numerical modeling of active magnetic regeneration
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

2k micro moulding for MID fabrication
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

3-D Analysis of Graphite Nodules in Ductile Cast Iron Using FIB-SEM
Publication: Research › Conference abstract for conference – Annual report year: 2009

A Corrosion Investigation of Solder Candidates for High-Temperature Applications
Publication: Research - peer-review › Journal article – Annual report year: 2009

Projects:

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 → 06/08/2017
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

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. & McAlone, 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:

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 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

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
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

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)**
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.

**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**
Quagliotti, D. (Speaker)
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.

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. (Participant)
1 Sep 2016 → 31 Jan 2017
Activity: Other

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.

Økonomiloversigter
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 Verification 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
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,
Stoffi, 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
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 Maskinteknisk Proces- og Produktionsteknik ( ATV-SEMAPP) (External organisation)
Olsen, F. O. (Chairman)
30 Apr 1998 → 29 Apr 2010
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

Young Scientist Award: 6th ACE-X Conference, Istanbul, Turkey 2012
Michael Wenani Nielsen (Recipient), 4 Jul 2012
Prize: Prizes, scholarships, distinctions