Theme: Letting Design Function with Manufacturing

2nd International Conference on Design and Production Engineering
November 13-14, 2017  Paris, France

Interactive Sessions  Keynote Lectures  Plenary Lectures  Workshops
Exhibitors  B2B Meetings

***For available speaker slots***
productionengineering@conferenceseries.net

http://design-production.conferenceseries.com/
### Tentative Program

#### Program at a Glance

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Keynote Session

Title: Integrated forming processes and drop test simulations for a helicopter skid landing gear cross beam
**Augustin Gakwaya, University Laval, Canada**

Title: Stability of Fluid Film Bearings under Laminar and Turbulent Regimes
**Mohamed Gadala, ADU-UAE & UBC-Canada**

Title: Evaluation for Long-Term Structural Shading Materials for use in Harsh Environments
**Omar S. Es-Said, LMU, USA**

Title: Mechatronics Principles Applied to Collaboration between R&D and Industry
**Andrew Goldenberg, University of Toronto, Canada**

Title: Producing Designers - Development of DIT’s cross-disciplinary Product Design programme
**Robert Tully & Colm O’Kane, Dublin Institute of Technology, Ireland**

Title: Design Thinking and Modelling Laser-Material Interactions in the Industrial Context
**Wolfgang Schulz, Fraunhofer ILT Aachen and RWTH Aachen University, Germany**

Title: Soft Robotics: Modeling, Simulation & Control
**Christian Duriez, INRIA France**

Title: Parallel Robotic Manipulator and Its Innovation Design
**Dan Zhang, York University Toronto, Canada**

Title: Coulomb’s memoir on Human-Machine Interaction
**Agamenon Rodrigues Eufrasio Oliveira, Federal University of Rio De Janeiro, Brazil**

Title: A new approach in virtual sensing
**Monssef Drissi, The French Institute for Transports (IFSTTAR), France**

Title: Intelligent Design and Creativity for Smart Manufacturing
**Yun Li, Dongguan University of Technology, China**

Featured Speakers

Title: Design and Development of the Step-gauge Calibration System
**Jr-Rung Chen, Industrial Technology Research Institute, Taiwan**

Title: How to adjust the mechanical and biological properties of UHMWPE for biomedical purposes by changing the alumina-zirconia content
**Maria Giulia Faga, National Research Council of Italy (CNR). Italy**

Title: Influence of Mold Oscillation during Solidification on Grain Size, Degree of Grain Refinement and Tensile Properties of the A356 and A319 Aluminum Alloys
**S.P.Tewari, IIT (BHU), Varanasi**

Title: Flexible heat exchangers with polymeric hollow fibers
**Miroslav Raudensky, Brno University of Technology, Czech Republic**

Title: Roller Bearing Fault Detection and Life Estimation Using Wavelet Packet Transform
**Farzad Hemmati, UBC, Canada**
Title: Invisible Numerical Control for Machine Tool: The Concept and architecture
Yongzhi Cheng, Wuhan University of Science and Technology, China

Title: Design of Ti- and Ta-based materials by SHS
Olga Kamynina, Russian Academy of Science, Russia

Title: Laser-based machining of glass surfaces for tailoring hydrophilicity
Haider Butt, University of Birmingham, UK

Title: Research Progress on Precision Manufacture and Measurement
Jiang Zhuangde, Xi’an Jiaotong University(XJTU), China

Title: Exploring nonlinear phenomena in micromechanical resonators to develop mems oscillators with improved short term stability
Xueyong Wei, Xi’an Jiaotong University(XJTU), China

Title: A semi-sequential actuator design for multipoint tools
Matthias Wimmer, Munich University of Applied Sciences, Germany

Title: Indication of future provisions of ship hull
Khadeev Ravil, State Research and Test Institute of Military Medicine, Russia

Title: A systematic approach on analyzing the relationship between straightness & angular errors and guideway surface in precise linear stage
Hao Tang, Hunan University of Science and Technology, China

Title: Analysis of the high-rate elastic-plastic deformation of elements of modern designs, taking into account the dynamic properties of the materials under impact loads
Nataliia Ovcharova, Ukrain

Title: Problems of thermoelastic and vibration strength of cooled single-crystal blades
Yuri Vorobiov, Ukrain

Title: Design, modelling and optimization of compliant mechanisms
Guangbo Hao, University College Cork, Ireland

Title: Quality improvement procedure and quality promotion practice for automobile industry
Fuli Zhou, China

Title: Error Compensation and Accuracy Improvements in 5-axis Machine Tools Using the Global Offset Method
Jie Gu, General Motors R&D, USA

Title: Invisible Numerical Control for Machine Tool: The Concept and architecture
Yingxue Yao, Harbin Institute of Technology, Shenzhen, China

Title: Theory of fracture of the edge of the coal/rock bed by the gas-filled cracks. Instantaneous loading-out
Edward Feldman, Institute for Physics of Mining Processes, Ukraine

Title: PROJEL: An Educational Web Based Platform to Teach and Develop Monophasic Electric Projects in 2-3D with Decision Support
Marcos Negreiros, University of Ceará (UECE), BRAZIL
Title: Impact of Product Design on Agile Production  
**Alexander Pointner, Graz University of Technology, Austria**

Title: Combination of photovoltaic systems and unified power quality controllers in distribution systems for power quality improvement: Application to well known site  
**Wassila Issaadi, University of Bejaia, 06000 Bejaia, Algeria**

Title: Thin Cable-like Continuum Robots for Remote Inspection  
**Ian D. Walker, Clemson University, USA**

Title: USV navigation in a real-time map using intelligent path planner  
**Yogang Singh, University of Plymouth, UK**

Title: Fractional Order PID Control of Rotor Suspension by Active Magnetic Bearings  
**Parinya Anantachaisilp, Royal Thai Air Force Academy, Thailand**

Title: Develop the Path Planning System for a B-axis Fixed Plane on a 4-axis Machine Tool  
**Hao-Ting Lin, Feng Chia University, Taiwan**

Title: Materials Research Based Design and Production Guidelines for Rubber Components  
**Frank Abraham, University of Plymouth, PL4 8AA, United Kingdom**

Title: Temporary Clusters: A New Approach for Manufacturing SME Management  
**Ahmed Deif, California Polytechnic State Univ., CA, USA**

Title: Fast plasma figuring technology for the correction of meter-scale optical surfaces  
**R Jourdain, Cranfield University, UK**

Title: Lean Product and Process Development: A Value Creation Paradigm That Goes Beyond Lean Manufacturing  
**Ahmed Al-Ashaab, Cranfield University, UK**

Title: Regulation of open porosity and strength in ceramics based on electro corundum and porcelain binder  
**Zaw Ye Maw Oo, D. Mendeleev University of Chemical Technology of Russia**

Title: Advanced concept in analyzing tool performance in parts production processes  
**Abdelaziz AMIRAT, Badji Mokhtar Annaba University, Algeria**

**Speaker Slots are Available**

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Notre Dame de Paris
The Louvre