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Tentative Program

2nd International Conference on

Design and Production Engineering

Birmingham, UK August 21-22, 2017

Theme: Letting Design Function with Manufacturing



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

Day 1

Morning Sessions	Reception/Registration		
			General Session
			Inaugural Address
	Least of 3 Keynote/Plenary Talks		Keynote/Plenary Talk 1
			Keynote/Plenary Talk 2
			Keynote/Plenary Talk 3
	Panel Discussions/Group Photo		
	Coffee/Tea Break (Networking)		
	Session 1		Session 2
	Design Engineering		Manufacturing Innovations
Evening Sessions	Lunch Break		
	Materials Science		Production Engineering
	Coffee/Tea Break (Networking)		
	Interactive Aerospace		Production Management & Maintenance

Day 2

Morning Sessions	Session 1	Session 2
	Inter Disciplinary Aspects	Automation Development
	Coffee/Tea Break (Networking)	
	Industrial Design	Automobile Designing & Analysis
Evening Sessi	Lunch Break	
	Young Researchers Fourm	
	Poster Sessions	
	Awards & Closing Ceremony	

Featured Speakers

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

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

Title: Steps towards Robotic Disassembly and Autonomous Remanufacturing
Duc Truong Pham, *University of Birmingham, United Kingdom*

Title: Active media-based forming technologies with temperature support – opportunities and challenges
Frank Schieck, *Fraunhofer IWU, Germany*

Title: Design and Development of a Step-gauge Calibration System
Jr-Rung Chen, *ITRI, Taiwan*

Title: Developing an Intelligent Autonomous Scheduling System for Flexible Job-Shops in the Manufacturing Industry
Ammar Al-Bazi, *Coventry University, UK*

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

Title: Research Progress on Precision Manufacture and Measurement
Zhuangde Jiang, *Xi'an Jiaotong University, China*

Title: Exploring nonlinear phenomena in micromechanical resonators to develop mems oscillators with improved short term stability
Xueyong Wei, *Xi'an Jiaotong University, CHINA*

Title: Modelling and simulation supported design and production: Deformation based product design, process determination, tooling optimization and product quality assurance
Mingwang FU, *The Hong Kong Polytechnic University, Hong Kong*

Title: Indication of future provisions of ship hull
Khadeev Ravil, *Moscow, Russia*

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

Title: World Challenges and Emerging issues
Haidar F. AL-Qrimli, *Heriot-Watt University Malaysia, Malaysia*

Title: Numerical Investigation of Self-Ignition in Step-type Cavity of Solid-Fuel Scramjet Combustor
Haidar F. Dian Guan, *Beijing Institute of Technology, China*

Featured Speakers

Title: Material Science and Fashion Design
Nashwa El Shafey, *Damietta University-Egypt*

Title: Reverse engineering of machine-tool settings with modified roll for spiral bevel pinions
LIU Guanglei, *Northwestern Polytechnical University, China*

Title: Innovative value co-creation in Consulting Firms
Isaac Lemus-Aguilar, *Universidad Politécnica de, Madrid, Spain*

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

Title: ROBOTICS, MECHATRONICS & INTELLIGENT AUTOMATION
Andrew Goldenberg, *University of Toronto, Canada*

Title: Numerical analysis of the manufacturing process of an extruded product
Dorin Luca, *Technical University of Iasi, Romania*

Title: The Machine for Harvesting of Fruit and Nut Crops
Nodari Natenadze, *Agricultural University of Georgia, Georgia*

Title: Improving Practical Collaboration between Academia and SMEs
Robert Marchant, *MarchantCain Ltd, UK*

Title: Letting Design Function with Manufacturing: The Fundamental Challenges of TBPL Design Conceptualisation Processes within Engineering Education Perspective
Addo-Tenkorang, *BIUST, Botswana*

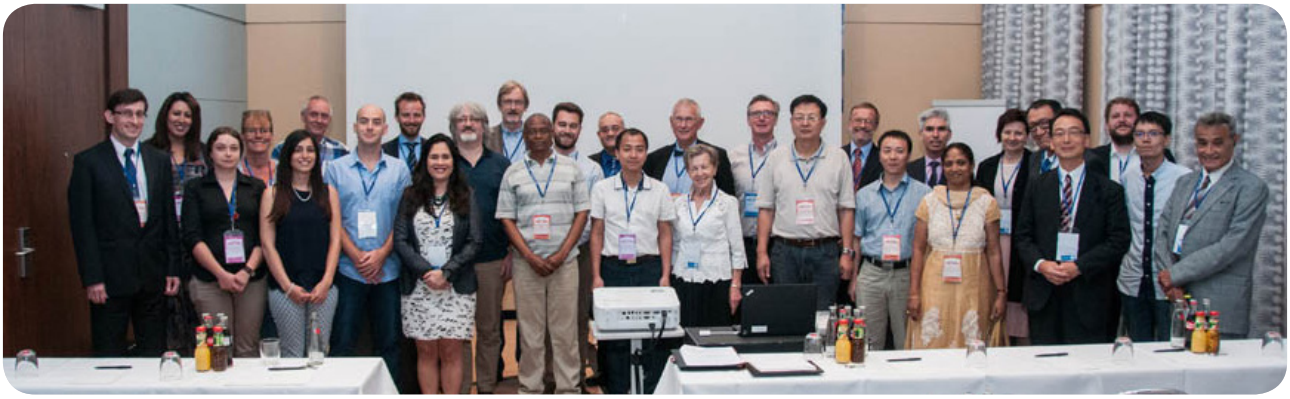
Title: Modeling of solidification in resistance spot welding
Rahim Jafari, *Atilim University, Turkey*

Title: REGULATION OF OPEN POROSITY AND STRENGTH IN CERAMICS BASED ON ELECTRO CORUNDUM AND PORCELAIN BIINDER
Zaw Ye Maw Oo, *D. Mendeleev University of Chemical Technology of Russia, Russian Federation*

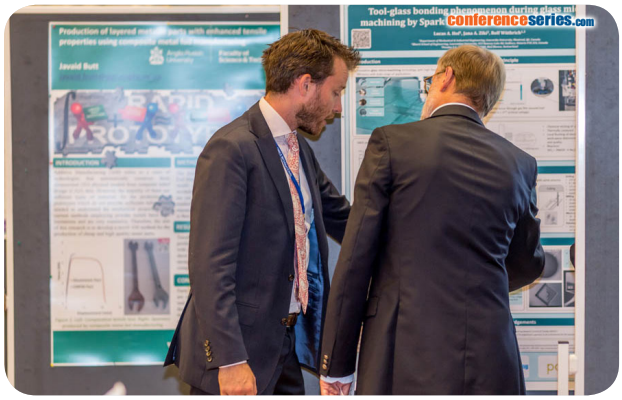
Title: Fast plasma figuring technology for the correction of meter-scale optical surfaces
R Jourdain, *Cranfield University, UK*

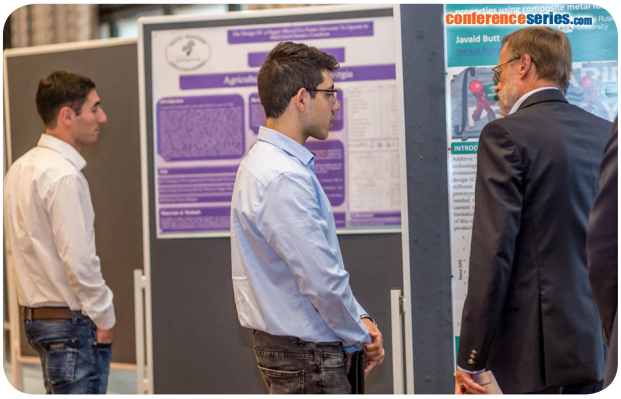
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Glimpses of Design and Production 2016













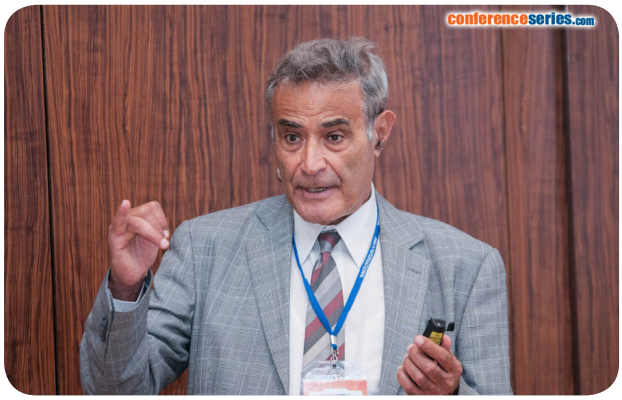


Glimpses of Design and Production 2016









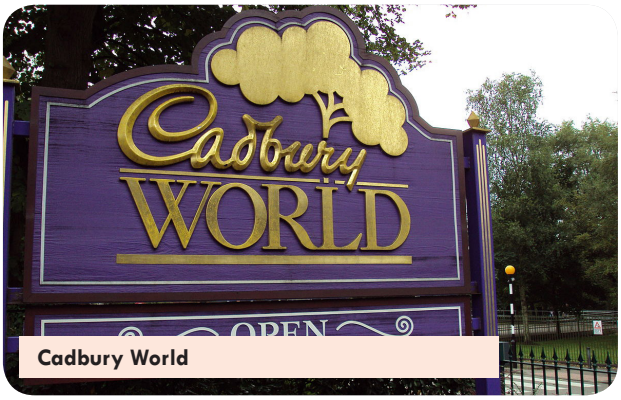








City Attractions



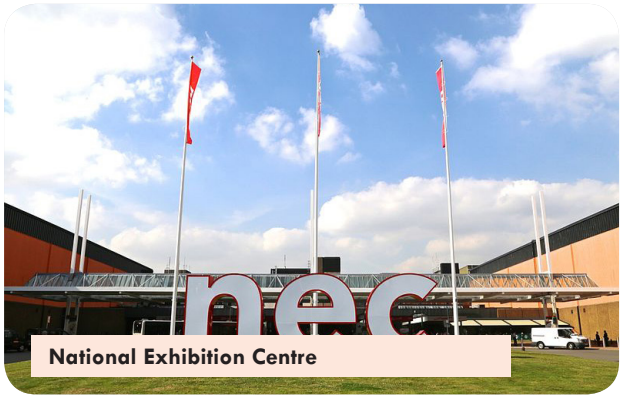
Cadbury World


Liibrary of Birmingham


Botanical Gardens


Birmingham Museum and Art Gallery


Castle bromwich hall



National Exhibition Centre



National SEA LIFE Centre


Thinktank Science Garden

About Birmingham

Birmingham is the geographical heart of England, Birmingham started life as a sixth- century Anglo-Saxon village. It is the second largest city of the United Kingdom and a metropolitan borough in the West Midlands metropolitan county. It is one of England's principal industrial and commercial areas. Regeneration, renewal and grand-scale construction continue at a breathless pace in Britain's second-largest city. Cutting edge museums and galleries, innovative theaters and excellent shopping have contributed to Birmingham's appeal as a best break destination.

Birmingham remains the chief center of Britain's light and medium industry and is still sometimes described as "the city of 1,001 different trades. The key to its economic success was the diversity of its industrial base, though it has been principally concerned with the metal and engineering trades. The largest single industry in terms of employment is the production of motor vehicles. Bicycles and motorcycles are made in the area, though the bicycle trade has declined. The city is also one of the main centres of the machine-tool industry. Within Birmingham lies the "village" of Bournville, it is home to Cadbury's Chocolate. One of the UK's first petrol-driven cars was built in Birmingham by engineer Frederick Lanchester.

Venue

Birmingham, UK

Important Dates

Abstract submission opens: October 24, 2016

Registration opens: October 24, 2016

Early bird registration: January 12, 2017

On spot registration: August 21, 2017

Contact Details:

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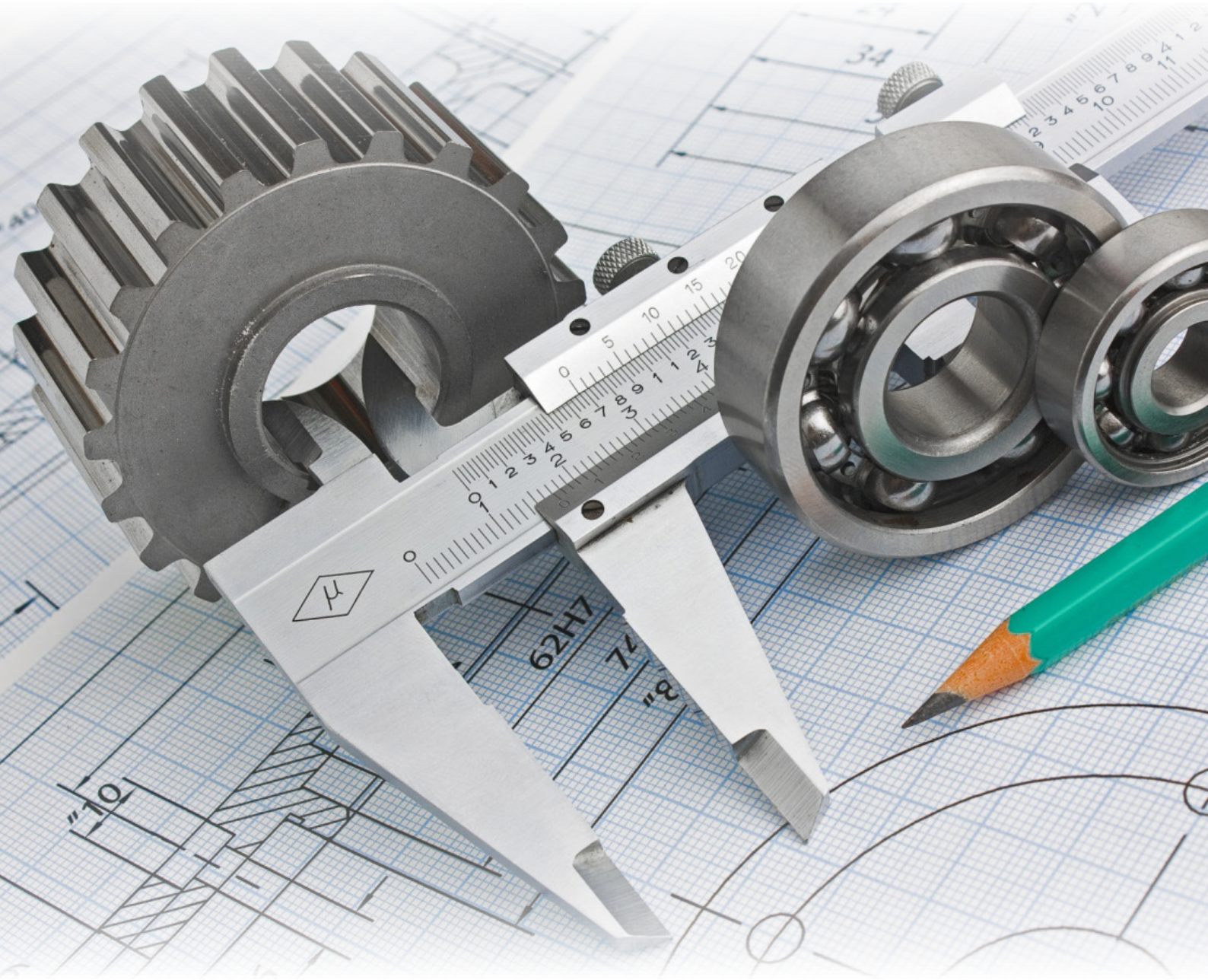
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567th Conference

Scientific Program

International Conference on

Design and Production Engineering

July 25-26, 2016 Berlin, Germany



Hosting Organization: Conference Series LLC

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Scientific Program

Day 1 July 25, 2016

Registrations

Esperanto I +II

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Opening Ceremony

Keynote Forum

Introduction

Title: Digital manufacturing - From design to the internet of things
Wolfgang Gentzsch, UberCloud Community, Germany

Title: On the correlation of Charpy impact energy and hydrogen charging in 4340 steel
Omar S. Es-Said, Loyola Marymount University, USA

Sessions:
Design Engineering | Industrial Design

Session Introduction

Session Chair: Shpend Gerguri, Oxford Brookes University, United Kingdom
Session Co-Chair: Peter Burggräf, RWTH Aachen University, Germany

Title: Towards a theory of engineering design
Jorge Angeles, McGill University, Canada
Title: The use of the theory of inventive problem solving for the design optimisation of 3D structural printed parts
Shpend Gerguri & Matteo Moretti, Oxford Brookes University, United Kingdom

Coffee Break

Title: The utilisation of knowledge for the rapid development of design engineering automation solutions
Craig Chapman, Birmingham City University, United Kingdom
Title: Quo Vadis, industrial production? Factories in the global environment
Peter Burggräf, RWTH Aachen University, Germany
Title: Elasto-plastic behaviour of sandwich cylindrical shell panels with a flexible core
Famida Fallah, Sharif University of Technology, Iran

Session:
Materials Science

Session Introduction

Session Chair: Jana Sobotová, Czech Technical University, Czech Republic
Session Co-Chair: Adel Nofal, CMRDI Cairo, Egypt

Title:Effect of sub-zero treatment on the wear resistance of P/M tool steels
Jana Sobotová, Czech Technical University, Czech Republic
Title: Primary grains and eutectic cells in thin wall ductile and compacted graphite iron castings
Marcin Górny, AGH University of Science and Technology, Poland

Lunch Break

(Special Session on) Title: ADI-the prospective new material for designers and mechanical engineers
Adel Nofal, Central Metallurgical R&D Institute(CMRDI), Cairo-Egypt
Title: Influence of TiB2 and SnO2 powders on arc erosion behaviors of Ag base contact materials
Xianhui Wang, Xi'an University of Technology, China
Title: Numerical simulation on microstructure of ultralow carbon bainit in welding molten pool
Zhang Min, Xi'an University of Technology, China

Coffee Break

Title: Thermally processed austempered ductile iron -ADI
Adel Nofal, Central Metallurgical R&D Institute(CMRDI), Cairo-Egypt

Young Researchers Forum

Title: Microstructuring of glass by Spark Assisted Chemical Engraving (SACE)
Lucas Hof, Concordia University, Canada
Title: Fading of the grain refinemnet effects in Al-Cu alloys
Gabriela Sikora, AGH University of Science and Technology, Poland
Title: Experimental and numerical analysis of heat on the tensile properties of layered aluminium parts made by composite metal foil manufacturing
Javaid Butt, Anglia Ruskin University, United Kingdom

Title: Thermal behaviour of RHCM mold with different heating/cooling channel designs
Fatma Kria, National School of Engineers of Sfax, Tunisia
Title: The dynamic models with dissipation of water-water nuclear reactor with temperature reactivity coefficients
Le Van Dinh, Moscow Power Enginering Institute, Russia
Title: A comparison between Kanban, CONWIP and hybrid production policies in a just-in time manufacturing system
Ayden Torkabadi, University of Regina, Canada
Title: Optimization of the flexibility – efficiency trade-off in engineer-to-order industries
Cannas Violetta Giada, Polytechnic University of Milan, Italy
Title: Fracture toughness and tensile strength of 316L stainless steel cellular lattice structures manufactured using the selective laser melting technique
Hamza Alsalla, Exeter University, UK

Day 2 July 26, 2016

Esperanto I +II

Keynote Forum

Title: The value of user focused design, exemplified through a collaborative process for developing learning arenas
Petter Øyan, Oslo and Akershus University, Norway
Title: Manufacturing engineering in thermal spray technologies by advanced robot systems and process kinematics
Rainer Gadow, University of Stuttgart, Germany

Sessions:
Production Engineering & Management | Interactive Aerospace | Metrology and Inspection

Session Introduction

Session Chair: Adriana Arineli, International Iberoamerican University, Mexico
Session Co-Chair: Drezet Jean-Marie, Ecole Polytechnique Fédérale de Lausanne, Switzerland

Title: Automatic inspection of surface cracks in welded components
Anna Runnemalm, University West, Sweden

Coffee Break

Title: Customer experience management: A new approach to increase results and longevity of business
Adriana Arineli, International Iberoamerican University, Mexico
Title: Perceived emotion induced by a surface with random roughness
Jihong Hwang, Seoul National University of Science & Technology, South Korea
Title: Quench induced stresses considering precipitation in industrial aluminum pieces
Drezet Jean-Marie, Ecole Polytechnique Fédérale de Lausanne, Switzerland
Title: Cellular automaton modeling of CFRP Component Production for airframes
Tetsuya Morimoto, Japan Aerospace Exploration Agency, Japan
Title: Numerical investigation of thermal stability in media of different physical geometries
Ramoshweu Solomon Lebelo, Vaal University of Technology, South Africa
Title: Option contract design and supply chain coordination
Gang Hao, City University of Hong Kong, Hong Kong

Lunch Break

Poster Presentations

Sessions:
Manufacturing Process | Advanced Technology | Automation Development

Session Introduction

Session Chair: Jan-Gunnar Persson, Royal Institute of Technology, Stockholm
Session Co-Chair: Fernando Israel Gomez-Castro, Universidad de Guanajuato, Mexico

Title: On the tailored forming of massive components: A hybrid shaft example
Deniz Duran, Leibniz University of Hanover, Germany
Title: Product development and design methodology research and application in industry
Jan-Gunnar Persson, Royal Institute of Technology– KTH, Stockholm
Title: An analytical and experimental investigation of planar flow melt spinning process to manufacture amorphous ribbons
M. Sowjanya, Muffakham Jah College of Engineering and Technology, India
Title: The predictive control principle and perspectives of its application in automatic control systems
Pikina Galina Alekseevna, National Research University "MPEI", Russia

Coffee Break

Title: Design of separation processes: From the empirical methods to the computer-aided strategies
Fernando Israel Gomez-Castro, Universidad de Guanajuato, Mexico

Video Presentation

Title: Tool wear improvement and machining parameter optimization in face-hobbing of bevel gears
Mohsen Habibi, Concordia University, Canada

Title: Estimation of residual stresses in an 800 mm thick narrow-gap steel weldment
N. Siva Prasad, Gitam University, India

Poster Presentations

DP001	**Title: The Study of Zirconia Crown Milling** **David R Irvine**, University of the West of England, United Kingdom
DP002	**Title: Tool-glass bonding phenomenon during glass micro-machining by Spark Assisted Chemical Engraving (SACE) - Issues and opportunities** **Lucas Hof**, Concordia University, Canada
DP003	**Title: Production of layered metallic parts with enhanced tensile properties using the process of composite metal foil manufacturing** **Javaid Butt**, Anglia Ruskin University, UK
DP004	**Title: Effects of magnetorheological (MR) properties on sheet metal formability based on the pressure of MR fluids** **Nan Xiang**, Harbin Institute of Technology, China
DP005	**Title: Lateral buckling of box beam elements under combined** **Abdelkader Saoula**, Ibn Khaldoun University of Tiaret, Algeria
DP006	**Title: Numerical analysis on the influence of the opening's shape on the mechanical behavior of steel beams with web openings** **Amine Osmani**, Djillali Liabes University, Algeria
DP007	**Title: The design of a digger device for root crops harvester to operate in hard soil condition** **Nodari Natenadze**, Agricultural university of Georgia, Georgia
DP008	**Title: Conventional MPPT and a control system photovoltaic by fuzzy logic** **Wassila Issaadi**, University of Bejaïa, Algeria

Award Ceremony