Tentative Program

3rd International Conference on Design and Production Engineering

December 03-04, 2018 Valencia, Spain



Interactive Sessions | Keynote Lectures | Plenary Lectures | Workshops | Exhibitors | B2B Meetings

For available speaker slots

productionengineering@annualconferences.org

3rd International Conference on Design and Production Engineering

December 03-04, 2018 Valencia, Spain

Program at a Glance

Day 1

Morning Sessions	Reception/Registration	08.00-09.00	
		Time	General Session
		09.00-09.15	Inaugural Address
	Least of 3 Keynote/Plenary Talks	09.15-09.45	Keynote/Plenary Talk 1
		09.45-10.15	Keynote/Plenary Talk 2
		10.15-10.45	Keynote/Plenary Talk 3
	Panel Discussions/Group Photo		
	Coffee/Tea Break 10.45-11.00 (Networking)		
Evening Sessions	11.00-12.40	5 Speakers (20 Mins Each)	
	Lunch Break 12.40-13.30		
	13.30-15.30	6 Speakers (20 Mins Each)	
	Coffee/Tea Break 15.30-15.45 (Networking)		
	15.45-17.25	5 Speakers (20 Mins Each)	

19 Speakers for Day 1

Day 2

	Time	Session 1	Session 2
Morning Sessions	09.00-10.40	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Coffee/Tea Break 10.40-10.55 (Networking)		
	10.55-12.35	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Lunch Break 12.35-13.25		
Evening Sessions	13.25-15.05	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Poster Sessions		
	Coffee/Tea Break 15.05-15.20 (Networking)		
	15.20-17.00	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Closing Cermony		
	NOTE: Program Shedule is subject to change with final allotment of the speaker slots		

30 Speakers on Day 2

Call for Abstract: https://design-production.conferenceseries.com/call-for-abstracts.php

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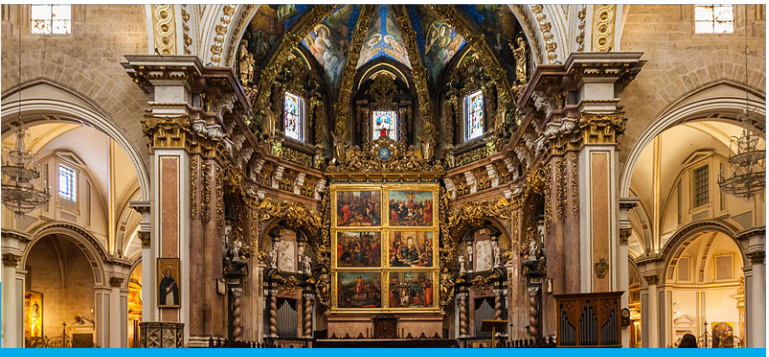
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Conference Highlights

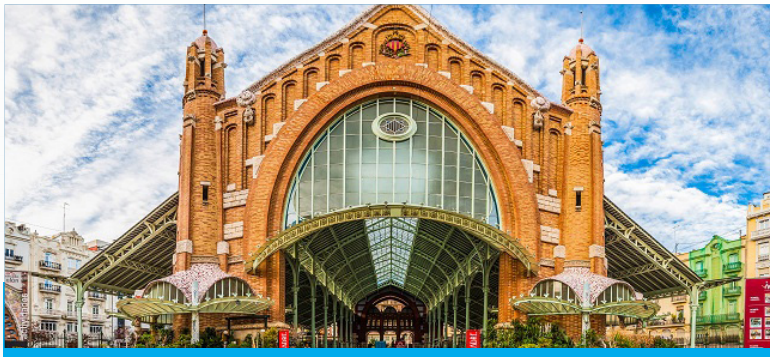
- Design Engineering
- Automation Development
- Materials Science
- Industrial Design
- Design Insights
- Production Engineering
- Advanced Technology
- Interactive Aerospace
- Inter Disciplinary Aspects
- Product and Process Engineering
- Manufacturing Process
- Machine Tool Operation
- Production Management
- Heat Transfer and Thermal Engineering
- Metrology and Inspection



Plan your trip to Valencia



Cathedral of Valencia



Central Market



Plaza del Reine



Silk Exchange Market



The Bullfighting Museum



The Miguelete



The Oceanographic



The Plaza of Virgin

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JOINT EVENT

Scientific Program

2nd International Conference on

DESIGN AND PRODUCTION ENGINEERING

&

International Conference on

MECHATRONICS, AUTOMATION AND SMART MATERIALS

November 13-14, 2017 Paris, France



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Registrations

Amphitheater

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Opening Ceremony

Keynote Forum

Introduction

Title: Evaluation for long-term structural shading materials for use in harsh environments

Omar S Es-Said, Loyola Marymount University, USA

Title: Integrated forming processes and drop test simulations for a helicopter skid landing gear cross beam

Augustin Gakwaya, University Laval, Canada

Title: Intelligent design and creativity for smart manufacturing

Yun Li, Dongguan University of Technology, China

Networking & Refreshment Break

Special Session

Title: Producing designers - development of DIT's cross-disciplinary product design programme

Colm M O'Kane and **Robert Tully,** Dublin Institute of Technology, Ireland

Title: Coulomb´s memoir on human-machine interaction

Agamenon R E Oliveira, Polytechnic School of Rio de Janeiro, Brazil

Group Photo

Lunch Break

Sessions: Design Engineering | Manufacturing Innovations | Materials Science | Production Engineering | Manufacturing Automation

Session Chair: Omar S Es-Said, Loyola Marymount University, USA

Session Co-chair: Augustin Gakwaya, University Laval, Canada

Session Introduction

Title: Human - exoskeleton interaction via tactile sensors for the motion assistance

Nazim Mir-Nasiri, Nazarbayev University, Kazakhstan

Title: Design and development of a 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: Flexible heat exchangers with polymeric hollow fibers

Miroslav Raudensky, Brno University of Technology, Czech Republic

Title: Ergonomics in design: Safety and user experience factors

Mahmut Ekşioglu, Bogaziçi University, Turkey

Networking & Refreshment Break

Title: Design of Ti- and Ta-based materials by SHS

Olga Kamynina, ISMAN, Russia

Title: Hot forging process simulation for aerospace aluminum alloy using a modified Johnson-Cook equation

Kadiata Ba, University Laval, Canada

Title: Let machines do the work!

Dejan Šeatović, University of Applied Sciences, Germany

Young Researchers Forum

Title: USV navigation in a real-time map using intelligent path planner

Yogang Singh, University of Plymouth, UK

Title: Constrained design optimization using MATLAB & ANSYS: Assessment of accuracy & Hessian matrix assumptions
Farzad Hemmati, University of British Columbia, Canada
Title: Theoretical method for prediction of press-mounting force and stress distribution in assembly process of interference fits
Xingyuan Wang, Dalian University of Technology, China

Panel Discussion

Day 2 November 14, 2017

Amphitheater

Keynote Forum

Title: Soft-robots: modeling, simulation and control
Christian Duriez, INRIA, France
Title: Control / supervision design in the context of reconfigurable manufacturing systems
Pascal Berruet, Lab-STICC, France
Title: Thin cable-like continuum robots for remote inspection
Ian D Walker, Clemson University, USA

Networking & Refreshment Break

Title: Mechatronics principles applied to collaboration between R&D and industry
Andrew A Goldenberg, University of Toronto, Canada
Title: Stability of fluid film bearings under laminar and turbulent regimes
Mohamed Gadala, University of British Columbia, Canada & Abu Dhabi University, UAE

Sessions: Mechatronics | Smart Materials and Technologies | Automation Engineering | Advanced Intelligent Mechatronics | Industrial Automation

Session Chair: Andrew A Goldenberg, University of Toronto, Canada
Sesstion Co-Chair: Christian Duriez, INRIA, France

Session Introduction

Title: A semi-sequential actuator design for multipoint tools
Matthias Wimmer, Munich University of Applied Sciences, Germany
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, Indian Institute of Technology (BHU) Varanasi, India

Video Presentation

Title: Experimental investigation and prediction for tribo behavior of fillers concentrated FRP
Hiral H Parikh, Navrachana University, India

Lunch Break

Title: Advanced concept in analysing tool performance in parts production processes
Amirat Abdelaziz, Badji Mokhtar University of Annaba, Algeria
Title: Quality estimation of interference fits assembly based on press-fit curve
Xiaodong Wang, Dalian University of Technology, China
Title: An automated system for the design and optimization of industrial motion control machines: Development and case study
Ibrahim Gadala, UBC, Canada **and Mohamed Gadala,** UBC, Canada & ADU, UAE
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: Fractional order PID control of rotor suspension by active magnetic bearings
Parinya Anantachaisilp, Royal Thai Air Force Academy, Thailand

Video Presentation

Title: Universal Design Of The Subject-Spatial Environment
Albagachiev A.Y, Moscow Technological University, Russia

Networking & Refreshment Break

Panel Discussion

Awards & Closing Ceremony



Bookmark your dates

3rd International Conference on

Design and Production Engineering

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2nd International Conference on

Mechatronics, Automation and Control Systems

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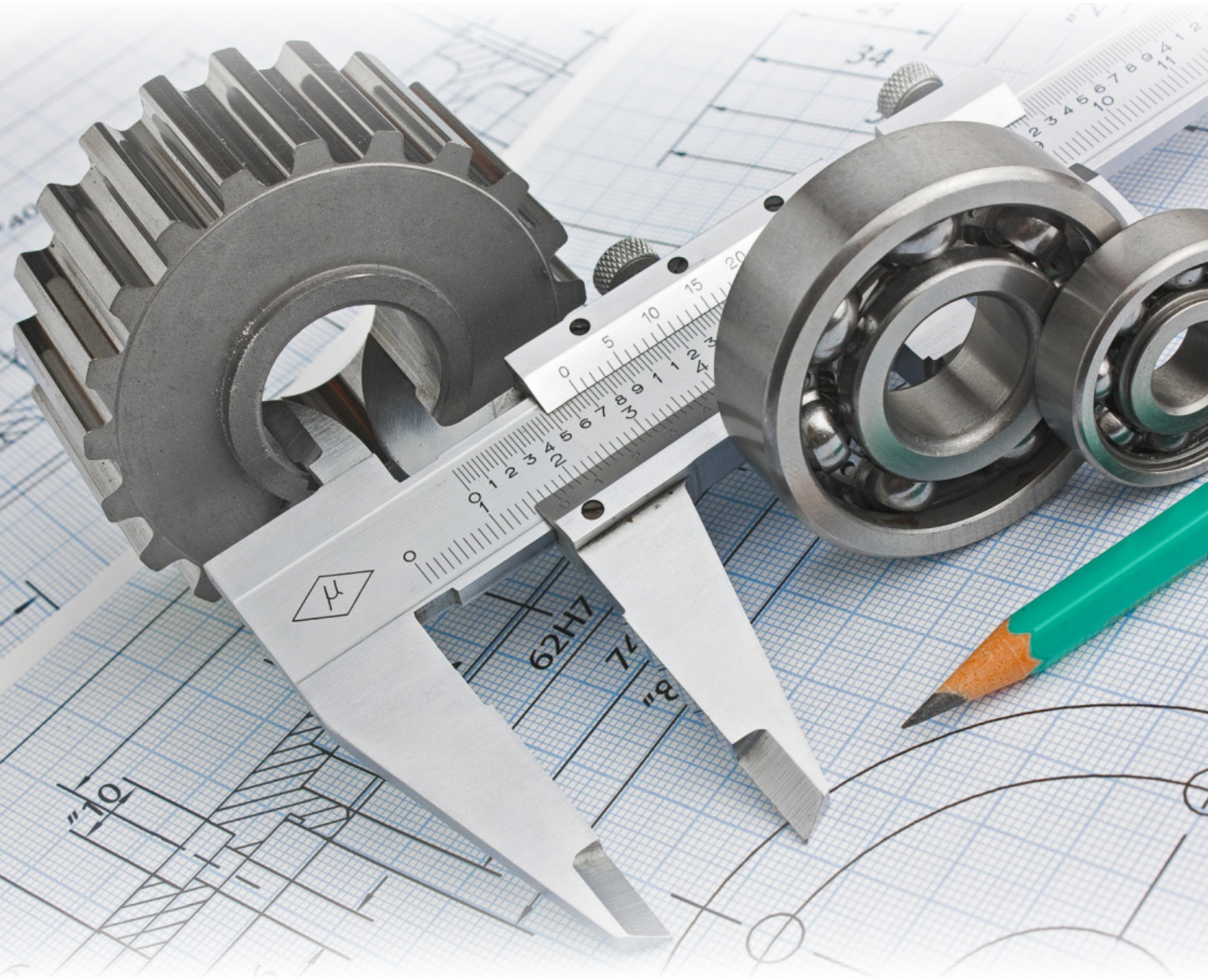
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567th Conference

Scientific Program

International Conference on

Design and Production Engineering

July 25-26, 2016 Berlin, Germany



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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 @ Esperanto

(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 @ Main Lobby

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 @ Esperanto

Poster Presentations from

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 @ Main Lobby

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 from	
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	