Tentative Program

2nd International Conference on
Mechatronics, Automation and Control Systems

December 03-04, 2018 Valencia, Spain



Interactive Sessions

Keynote Lectures

Plenary Lectures

Workshops

Exhibitors

B2B Meetings

For available speaker slots

mechatronics@annualconferences.org

2nd International Conference on
Mechatronics, Automation and Control Systems

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://mechatronics.conferenceseries.com/call-for-abstracts.php

Registration: https://mechatronics.conferenceseries.com/registration.php

Abstract Submission: https://mechatronics.conferenceseries.com/abstract-submission.php

Brochure:: https://mechatronics.conferenceseries.com/conference-brochure.php

For more Details PS: https://mechatronics.conferenceseries.com/

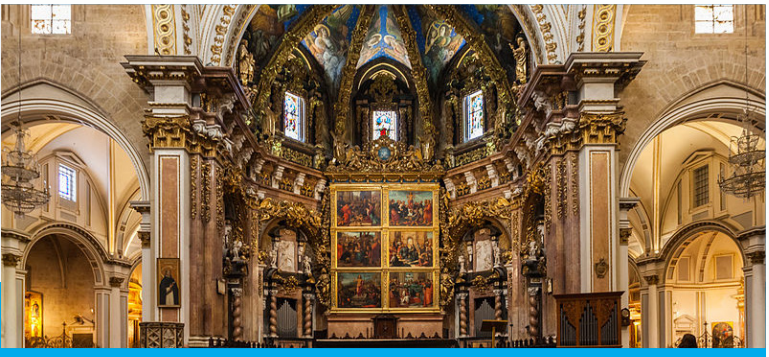
mechatronics@annualconferences.org

Conference Highlights

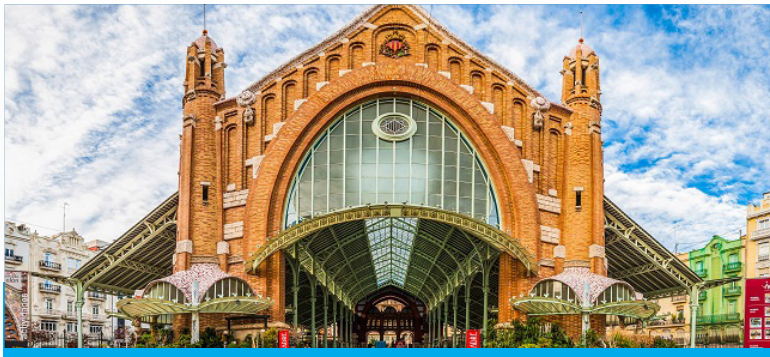
- Mechatronics
- Intelligent Systems
- Intelligent Control Systems and Optimization
- Robots
- Safety standards for Robots and Systems
- Human Robot Interaction
- Automation
- Role of Automation in Robotics
- Applications of Automation
- Control Systems Engineering
- Control Theory and Optimization Technique
- Control Methods



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

conferenceseries.com
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



UK: Conference Series llc LTD
47 Churchfield Road, London, W3 6AY
Phone:+44 8000148923, Fax: +44 2030041517

Registrations

Amphitheater

conferenceseries.com

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

December 03-04, 2018 Valencia, Spain

E: productionengineering@enggconferences.com

W: design-production.conferenceseries.com

2nd International Conference on

Mechatronics, Automation and Control Systems

December 03-04, 2018 Valencia, Spain

E: mechatronics@enggconferences.com

W: mechatronics.conferenceseries.com