

# IEEE-ICM 2017 AUSTRALIA

## International Conference on MECHATRONICS

13 - 15 February 2017  
Federation University Australia—Gippsland  
Sponsor : IEEE Industrial Electronics Society



**ADVANCED MECHATRONICS IN SERVICE OF REGIONAL INDUSTRY**

## CALL FOR PAPERS

Invitation to Participate in an Intellectually  
Stimulating Conference & experience the Australian Culture

### Final Submission Schedule:

Submission of Special Session Proposals: **15 July 2016** (extended)

Deadline for submission of full paper: **1 September 2016** (extended)

Notification of acceptance : **7 November 2016**

Deadline for final manuscript: **7 December 2016**

FOR FURTHER INFORMATION VISIT [WWW.IEEE-ICM2017.ORG](http://WWW.IEEE-ICM2017.ORG)

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### MAIN THEME:

### ADVANCED MECHATRONICS IN SERVICE OF REGIONAL INDUSTRY

#### Background & Aim

Mechatronics is defined as the synergistic integration of mechanics, electronics, and information processing the production process of a product or a system. The aim of the conference is to provide a forum for presentation and discussion of emerging developments and applications in the rapidly evolving field of mechatronics. Also, it serves as a conduit for channelling advanced mechatronics research and applications to industry. It brings together researchers, from industry and academia, active in industrial technological fields to discuss current developments and future perspectives.

#### Conference Topics

The topics of this conference will include, but are not limited to:

- Robotics, Mobile Platforms, Unmanned Vehicles
- Mechatronics applications in agriculture and regional industries.
- Advanced Manufacturing
- Advanced Motion Control
- Artificial Intelligence and Intelligent Control
- System Integration
- Sensors and Actuators, Haptics and Networks
- Automotive and Transportation Systems
- Micro/Nano Mechatronics
- Vibration and Noise Control
- Mechatronics in Energy Systems
- Modelling and Design
- Fault detection and Diagnosis in Mechatronics Systems
- Human-Machine Interface
- Applications (Medical, Bioengineering, Aeronautics, ...)
- Mechatronics Applications in Cyber-physical Systems
- Mechatronics in Tertiary Education

#### Special Sessions

The conference will include Special Sessions on highly specialised topic areas, within the scope of the conference and its theme. Special Sessions are organised at the initiative of one or more individuals, who must adhere to the specific procedures published at the conference website. If you are interested in organizing a special session, please contact a Special Sessions Co-Chairs listed on the conference website.

#### Submission of Papers

The working language of the conference is English. Prospective participants are requested to electronically submit full papers of their work (6 pages max.) following the instructions available on the website.

#### Paper Acceptance

Each accepted paper must be presented at the conference by one of the co-authors. Papers not presented will not be included in IEEEExplore. The final manuscript must be accompanied by a registration form and a registration fee payment proof.

**Good quality papers would be considered for publication in  
IEEE Transactions on Industrial Electronics or  
IEEE Transactions on Industrial Informatics**

#### Honorary Chairs

David Battersby (Australia)  
Bogdan Wilamoski (USA)  
Leopoldo Franquelo (Spain)  
Gerard Capolino (France)

#### General Co-Chairs

Yousef Ibrahim (Australia)  
Kouhei Ohnishi (Japan)

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Hideki Hashimoto (Japan)

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Peter Brett (UK)  
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Ibrahim Sultan (Australia)  
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Jean-Pierre Gazeau (France)  
Asif Sabanovic (Turkey)  
Luis Gomes (Portugal)

#### Special Sessions Co-Chairs

Roberto Oboe (Italy)  
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#### Publications Co-Chairs

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#### Local Organizing Committee

Linda Brock  
Tanveer Choudhury  
Paul Johnson  
Alan Scarlett  
Lisa Wood  
Keith Brownbill  
Gayan Kahandawa  
Jess Lloyd

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