CALL FOR PAPERS

2023 International Conference on Advanced Mechatronic Systems

Swinburne University of Technology, Melbourne, Australia, Sept. 4-7, 2023

The 2023 (13th) International Conference on Advanced Mechatronic Systems (ICA MechS 2023) will be held in Melbourne, Australia, Sept. 4-7, 2023. This conference is sponsored by International Journal of Advanced Mechatronic Systems (IJAMechS), Swinburne University of Technology, IEEE Systems, Man, and Cybernetics Society, International Journal of Human Factors Modelling and Simulation, The Institute of Complex Medical Engineering, and cooperated with The Society of Instrument and Control Engineers, and The Institute of Systems, Control and Information Engineers. It provides an international forum for professionals, academics, and researchers to present latest developments from interdisciplinary theoretical studies, computational algorithm development and applications of mechatronic systems. It particularly welcomes those emerging methodologies and techniques which bridge theoretical studies and applications in all mechatronic systems. Novel quantitative engineering and science studies may be considered as well. Papers are solicited on all aspects of research and application, including but not limited to:

- Intelligent mechatronics, robotics, automation, and control systems
- Control system modeling and simulation techniques and methodologies
- Digital human modelling and simulation
- Human behavior modelling and cognitive modelling
- Human performance modelling and human factors
- Developments in the generation of virtual humans
- Artificial intelligence to understand and model human factors
- Biomedical and rehabilitation engineering, prosthetics and artificial organs
- CAD/CAM/CAE/CAP and manufacturing systems, technologies and applications
- Signal and image processing and pattern recognition in mechatronic systems
- Energy, environment and power system (Renewable Energy, Energy Saving)

Submissions & Publication

Papers should describe original and unpublished work about the above or related topics. Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore’s scope and quality requirements. Instructions for preparation and electronic submission will be available shortly on ICAMechS2023 website. Some selected papers will be published as a number of special issues in IJAMechS (http://www.inderscience.com/ijamechs) IJMIC (http://www.inderscience.com/jимид) IJHFMS (http://www.inderscience.com/jhfms)

Important Deadlines:
- Deadline for submission: Aug. 1, 2023
- Notification of acceptance: Aug. 25, 2023
- Submission of camera-ready copy: Sept. 1, 2023

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