IEEE ARM 2019

2019 IEEE International Conference on Advanced Robotics and Mechatronics

July 3-5, 2019, Sigma Hall, Osaka University, Japan

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Call for Papers

The IEEE International Conference on Advanced Robotics and Mechatronics (ICARM) is the flagship conference of both IEEE-SMC TC on Bio-mechatronics and Bio-robotics Systems, and IEEE-RAS TC on Neuro-Robotics Systems. The ICARM 2019 will take place on Toyonaka Campus, Osaka University, Japan, from July 3 to 5, 2019. Toyonaka campus is one of the three campuses of Osaka University. It is the major campus where 1st year undergraduate students spend most of their time in Osaka University. The campus is full of young passion. The 2019 conference is collaboratively organized by robotic researchers from Osaka University, The University of Tokyo, Nara Institute of Science and Technology, and Ritsumeikan University, Japan. The conference will provide an international forum for researchers, educators, engineers in general areas of mechatronics, robotics, automation and sensors to disseminate their latest research results and exchange views on the future research directions of these fields. **The topics of interest include, but are not limited to**:

- ✓ Intelligent mechatronics, automation, control systems
- ✓ Bionic robotics, autonomous and evolutionary robotics
- ✓ Modelling of human sensory and motor systems
- ✓ Bionic robot navigation, task and motion planning
- ✓ Locomotion and manipulation in biological and robot systems
- ✓ Teleoperation, telerobotics, haptics, and semi-autonomous systems
- ✓ Robotic systems modeling, optimization, simulation and experiments
- ✓ Control system modeling and simulation techniques and methodologies
- ✓ AI, intelligent control, neuro-control, fuzzy control and their applications
- ✓ Industrial automation, process control, manufacturing process
- ✓ Rehabilitation robot system, neuro-robotics, wearable robots
- ✓ Surgical robotics, medical and micro-nano robotic systems

All papers must be submitted in PDF format prepared strictly following the IEEE PDF Requirements. The standard number of pages is 6 and the maximum page limit is 8 pages with extra payment for the two extra pages. All papers accepted by IEEE ICARM 2019 will be indexed by EI and included in IEEE Xplore. Selected high-quality papers will be recommended to special issues international journals indexed in Web of Science subject to sufficient extensions.

Important Dates

Full papers and organized session proposals	Jan 20, 2019
Proposals for tutorials and workshops	Jan 20, 2019
Notification of paper and session acceptance	April 30, 2019
Submission of final papers in IEEE PDF format	May 30, 2019