Call for Papers

The 12th International Conference on Intelligent Robotics and Applications

ICIRA 2019

August 8-11, 2019 Shenyang, China

The 12th International Conference on Intelligent Robotics and Applications (ICIRA 2019) will be held in Shenyang, China, from August 8th to 11th, 2019. The conference with a theme on “Robot Era” offers a unique and constructive platform for scientists and engineers throughout the world to present and share their recent research and innovative ideas in the areas of robotics, automation, mechatronics, and applications. [https://www.icira2019.org]

Topic of Interests

ROBOTICS Collective and social robots; Human-robot interaction; Mobile robots and intelligent autonomous systems; Robotic vision, recognition and reconstruction; Multi-agent systems and distributed control; Robot intelligence, learning and linguistics; Robot design, development and control; Robot motion analysis and planning; Medical robot; Robot actuators and sensors; Robot cooperation; Robot legged locomotion; Robot mechanism and design; Perception and awareness; Space and underwater robots; Virtual and augmented reality; Navigation/Localization.

AUTOMATION Adaptive and learning control system; Advanced control and informatics; Computer integrated manufacturing; Embedded sensors and actuators; Estimation and identification; Factory modeling and automation; Fault detection, testing and diagnosis; Flexible manufacturing systems; Fuzzy and neural systems; Man-machine interactions; Modeling of complex systems; Process control and instrumenta-tion; Motion control; Micro and nano systems; Nonlinear systems and control; Optimal control; Rotating system dynamics and control; Sensors and transducers; Smart structures & materials hybrid; Stability and stabilization.

MECHATRONICS Advanced measurement and machine vision system; Flexible electronics/sensors; Smart/Electrical skin; Drives and actuators’ modeling; Education in mechatronics engineering; Micro-electro-mechanical systems; Multi-sensor data fusion algorithms; Mechatronics in energy systems; Motion vibration and noise control; Real-time and hardware-in-the-loop simulation; Sensing of small quantities; Aerospace engineering; Automotive systems; Data storage systems; Electronic packaging; Micro/nano technology; Optoelectronic systems; Prototyping.

APPLICATIONS Especially, there are many new emerging robotic applications in service, construction, forestry, agriculture, field, search and rescue, underwater tasks, on-orbit service, and planetary exploration, which will also be the main topics in ICIRA 2019.Special Sessions

Paper Submission Guidelines

All papers for regular sessions and special sessions should be submitted through the Springer online review system. [https://ocs.springer.com/ocs/home/ICIRA2019]

The articles must be written in English with a maximum number of 12 pages in compliance with Springer format at: [https://www.icira2019.org/for-authors]

Important Dates

Special Session Proposal: March 31, 2019 (extended)
Full Paper Submission Due: April 28, 2019 (extended)
Acceptance Notification: May 19, 2019 (extended)
Early Bird Registration Due: May 27, 2019 (extended)
Final Paper Submission Due: June 10, 2019 (extended)
Conference: August 8-11, 2019

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