

ICIRA 2021

The 14th International Conference on
Intelligent Robotics and Applications

August 6-8, 2021
Yantai, China

Committee

Honorary Chair

Youlun Xiong, HUST, China

General Chair

Xinjun Liu, Tsinghua U, China

General Co-Chairs

Rui Song, Shandong U, China

Zengguang Hou, IA, CAS, China

Qinchuan Li, ZSTU, China

Qining Wang, Peking U, China

Huichan Zhao, Tsinghua U, China

Jangmyung Lee, Pusan U, Korea

Program Chair

Jingjun Yu, BUAA, China

Program Co-Chairs

Xin Ma, Shandong U, China

Fugui Xie, Tsinghua U, China

Wenguang Yang, Yantai U, China

Bo Tao, HUST, China

Xuguang Lan, XJTU, China

Naoyuki Kubota, TMU, Japan

Ling Zhao, Yantai YEDA, China

Publication Chair

Zhenguo Nie, Tsinghua U, China

Award Chair

Limin Zhu, SJTU, China

Call for Papers

ROBOTICS

Collective and social robots; Human-robot interaction; Parallel robots; Machining robots; Soft robots; 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; 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 instrumentation; 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; Opto-electronic systems; Prototyping.

APPLICATIONS

Especially, there are many new emerging robotic applications in service, construction, forestry, agriculture, field, search and rescue, underwater tasks, on-orbital service, and planetary exploration, which will also be the main topics in ICIRA 2021.

Important Dates:

- **April 30**, 2021 Submission of original PDF full papers
- **April 30**, 2021 Submission of organized focused theme session proposals
- **May 31**, 2021 Notification of paper and organized session acceptance
- **June 25**, 2021 Submission of final papers and advance registration

For more information, please visit the conference website

<https://www.icira2021.org/> (after March 10)

