

Featured Columns

Webinars

 **Intelligence & Robotics**

Female Scholars' Contribution to Intelligence and Robotics

Time: August 28, 2024 19:00-21:00 (Beijing, UTC+8)

Host
 **Prof. Hao Zhang**
Tongji University, Shanghai, China.

Speakers
 **Assoc. Prof. Yang Liu**
Beihang University, Beijing, China.
 **Assoc. Prof. Di Wang**
Chongqing Jiaotong University, Chongqing, China.
 **Assoc. Prof. Chen Wang**
Chinese Academy of Sciences, Beijing, China.

 **IR**
Intelligence & Robotics

Unmanned Ships and Intelligent Shipping

Time
June 5, 2024 20:00 (Beijing, UTC+8)

Host
 **Prof. Daqi Zhu**
Institute of Underwater Vehicles and Intelligent Systems, University of Shanghai for Science and Technology, Shanghai, China.

Speakers
 **Prof. Yueying Wang**
School of Mechatronic Engineering and Automation, Shanghai University, Shanghai, China.
 **Assoc. Prof. Xinqiang Chen**
Institute of Logistics Science and Engineering, Shanghai Maritime University, Shanghai, China.

Academic Talks

Special Interview with
Prof. Marcelo H. Ang



Department of Mechanical Engineering, National University of Singapore, Singapore City, Singapore

**LIVERPOOL JOHN MOORES UNIVERSITY**

Future Challenges in Wearable Technology

Hoshang Kolivand
Liverpool John Moores University
H.Kolivand@ljmu.ac.uk




Awards


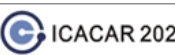


 **Intelligence & Robotics**




Intelligence & Robotics Best Paper Award & Best Reviewer Award



Partners

About the Journal

Intelligence & Robotics (IR) was officially launched by OAE Publishing Inc. in 2021. *IR* publishes top-quality unpublished original technical and non-technical application-focused articles on the interdisciplinary areas of intelligence and robotics. The Journal seeks to publish articles that deal with the theory, design, and applications of intelligence and robotics, ranging from software to hardware.

The scope of the Journal includes, but is not limited to:

- Biological, bio-inspired, and artificial intelligence
- Embodied AI
- Neural networks, fuzzy systems, and evolutionary algorithms
- Sensing, multi-sensor fusion, localization, data analysis, modeling, planning, and control for various mobile, aerial, and underwater robotic systems
- Robot cooperation, teleoperation and human-machine interactions
- Computer vision for robotics and intelligence
- Humanoid and intelligent robotic systems
- Natural language processing for robotics and intelligence
- Digital twins and virtual reality for robotics and intelligence
- Embodied cognition, navigation and manipulation of robotic systems

Journal Features

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Submission

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IR follows a double-blind review process. The scientific quality of the research described in the manuscript is evaluated by at least three independent expert reviewers. The Editor-in-Chief is responsible for making the final decision on the acceptance or rejection of the manuscript.

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Intelligence & Robotics

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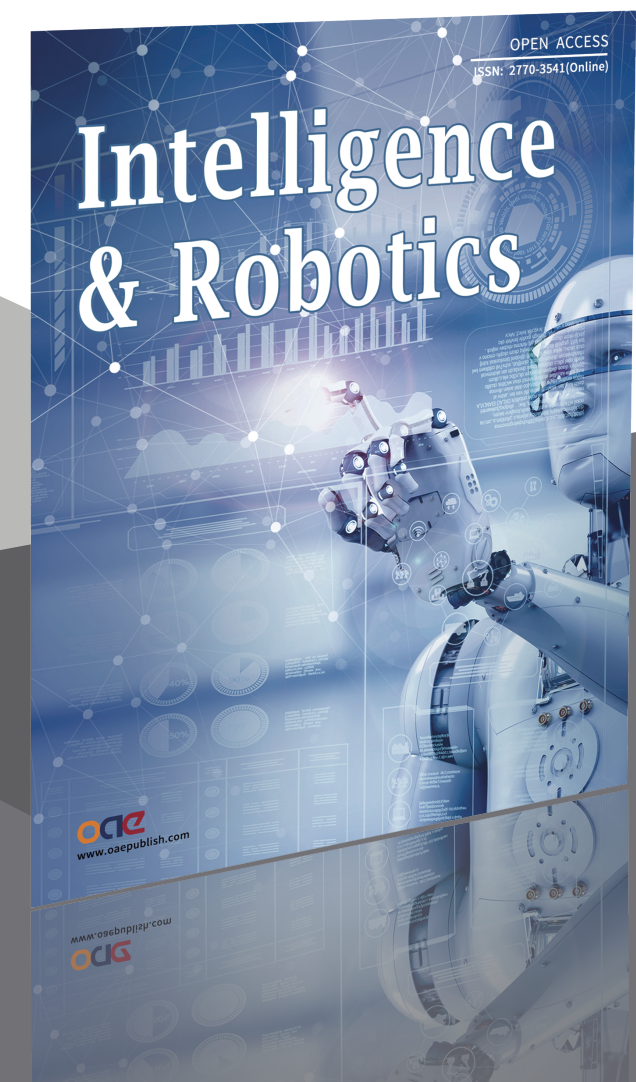
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Simon X. Yang, University of Guelph, Canada


Simon X. Yang is currently a Professor and the Head of the Advanced Robotics and Intelligent Systems Laboratory at the University of Guelph, Guelph, ON, Canada. Prof. Yang has been very active in professional activities. He has been served as the Editor-in-Chief and Associate Editor of several journals, and has involved in the organization of many international conferences. He was on the grant review panel of NSERC, CIHR and several other grant agencies.

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Guest Editor:
Prof. Jianjun Ni






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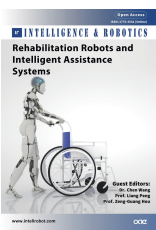




Updates in Underwater Robotics

Guest Editors:
Prof. Daqi Zhu
Prof. Qi Chen
Assoc. Prof. Mingzhi Chen
Dr. Danjie Zhu

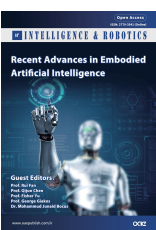




Rehabilitation Robots and Intelligent Assistance Systems


Guest Editors:
Dr. Chen Wang
Prof. Liang Peng
Prof. Zeng-Guang Hou





Recent Advances in Embodied Artificial Intelligence

Guest Editors:
Prof. Rui Fan
Prof. Qijun Chen
Prof. Fisher Yu
Prof. George Giakos
Dr. Mohammud Junaid Bocus




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Jiaju Qi, Qihao Zhou, Lei Lei*, Kan Zheng




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Ibrahima Bah*, Yu Xue




Deep learning for LiDAR-only and LiDAR-fusion 3D perception: a survey

Danni Wu, Zichen Liang, Guang Chen*




An overview of intelligent image segmentation using active contour models

Yiyang Chen, Pengqiang Ge, Guina Wang*, Guirong Weng, Hongtian Chen*




A bio-inspired algorithm in image-based path planning and localization using visual features and maps

Daniel Short, Tingjun Lei, Chaomin Luo*, Daniel W. Carruth, Zhuming Bi



Formation control of multiple autonomous underwater vehicles: a review

Tao Yan, Zhe Xu, Simon X. Yang*, S. Andrew Gadsden



Examining application-specific resiliency implementations in UAV swarm scenarios

Abhishek Phadke*, F. Antonio Medrano



Embracing the future: the rise of humanoid robots and embodied AI

Jiankun Wang*, Chaoqun Wang, Weinan Chen, Qi Dou, Wenzheng Chi

