

April  
27-29  
2024

Singapore



## CALL FOR PAPERS

### ► TOPICS

- ✓ Intelligent Robot Technology
- ✓ Intelligent Autonomous System and Automation
- ✓ Control Science and Engineering
- ✓ Signal Processing in the Engineering Control System

### ► CONFERENCE AWARDS

 Young Scientist Award	 Best Paper Award
 Best Oral Presentation Award	 Best Poster Award
 Outstanding Organization Award	

### ► PLENARY SPEAKERS



#### Prof. Huosheng Hu

University of Essex, United Kingdom  
IET Fellow, IEEE Life Senior Member



#### Prof. Ramin Sedaghati

Concordia University, Canada  
CSME Fellow, ASME Fellow,  
AIAA Associate Fellow

### ► KEYNOTE SPEAKER



#### Assoc. Prof. Lu Liu

City University of Hong Kong  
Stanford's top 2% most highly cited scientists 2022

### PROCEEDINGS

 **IEEE** After a careful reviewing process, all accepted papers after proper registration and presentation will be published by **IEEE Conference Proceedings**, which will be indexed by major database, such as **Scopus** and **Ei Compendex**, etc.

### Past ICCAR editions

ICCAR 2023, IEEE Xplore | ISBN: 979-8-3503-2251-4, Ei, Scopus indexed  
 ICCAR 2022, IEEE Xplore | ISBN: 978-1-6654-8115-1, Ei, Scopus indexed  
 ICCAR 2021, IEEE Xplore | ISBN: 978-1-6654-4985-4, Ei, Scopus indexed  
 ICCAR 2020, IEEE Xplore | ISBN: 978-1-7281-6138-9, Ei, Scopus indexed  
 ICCAR 2019, IEEE Xplore | ISBN: 978-1-7281-3325-6, Ei, Scopus indexed  
 ICCAR 2018, IEEE Xplore | ISBN: 978-1-5386-6336-3, Ei, Scopus indexed  
 ICCAR 2017, IEEE Xplore | ISBN: 978-1-5090-6087-0, Ei, Scopus indexed  
 ICCAR 2016, IEEE Xplore | ISBN: 978-1-4673-9858-9, Ei, Scopus indexed  
 ICCAR 2015, IEEE Xplore | ISBN: 978-1-4673-7522-1, Ei, Scopus indexed

### SCIE JOURNAL



#### Aerospace (ISSN: 2226-4310)

Current Impact Factor: 2.660

Special Issue "Advanced Motion Planning and Control in Aerospace Applications"  
category rank: JCR - Q1 (Engineering, Aerospace)  
High Visibility: Scopus, SCIE (Web of Science), Inspec, and other databases.

### SUBMISSION

**Submission System:** <http://www.easychair.org/conferences/?conf=iccar2024>  
**Word Template:** <http://www.iccar.org/files/conference-template-letter.docx>  
**Latex Template:** <http://www.iccar.org/latex-template.zip>

### IMPORTANT DATES

Submission Deadline-----March 10, 2024

- Decision notification----- March 25, 2024
- Registration deadline----- April 05, 2025

### ORGANIZING COMMITTEE

#### Conference Chairs

Shuzhi Sam Ge, National University of Singapore, Singapore  
Mingcong Deng, Tokyo University of Agriculture and Technology, Japan

#### Program Chairs

Huosheng Hu, University of Essex, UK  
Ramin Sedaghati, Concordia University, Canada  
Jiahui Qin, University of Science and Technology of China, China  
Andrew Keong Ng, Singapore Institute of Technology, Singapore  
Antonio Moran, Pontifical Catholic University of Peru, Peru

#### Program Co-chairs

Wen-Fang Xie, Concordia University, Canada  
Yang Shi, University of Victoria, Canada

#### Special Session Chairs

Yang Tang, East China University of Science and Technology, China  
Yulong Wang, Shanghai University, China  
Hongpeng Wang, Nankai University, China  
Shenquan Wang, Changchun University of Technology, China  
Andrew Keong Ng, Singapore Institute of Technology, Singapore  
Sheng-Quan Li, Yangzhou University, China  
He Chen, Hebei University of Technology, China

#### Award Chairs

Huiping Li, Northwestern Polytechnical University, China  
Chenguang Yang, South China University of Technology, China  
Yanzheng Zhu, Shandong University of Science and Technology, China

#### Women in Engineering (WIE) Chair

Yan-Wu Wang, Huazhong University of Science and Technology, China

#### Publication Chairs

Luo Xie, Beihang University, China  
Eunice Wee, Singapore Institute of Electronics, Singapore

#### Publicity Chairs

Oleg Yakimenko, Naval Postgraduate School, USA  
Emese Gincsiné Szádeczky-Kardoss, Budapest University of Technology and Economics, Hungary

#### Regional Chairs

Ruwana Gopura, University of Moratuwa, Sri Lanka  
Degang Xu, Central South University, China  
Juan M. Chau, Pontifical Catholic University of Peru, Peru

### SPECIAL SESSIONS

**01**

#### Special Session 1

#### Control of Advanced Robotic and Mechatronic Systems

Organizers:  
Ning Sun, Nankai University, China  
Hongpeng Wang, Nankai University, China

**02**

#### Special Session 2

#### Intelligent and Sustainable Solutions for Liveable Cities

Organizer:  
Andrew Keong Ng, Singapore Institute of Technology, Singapore

**03**

#### Special Session 3

#### Autonomous Safety Control in Aerospace Applications

Organizers:  
Maolong Lv, Air Force Engineering University, China  
Jing Chang, Xidian University, China  
Yongxia Shi, City University of Hong Kong, China

**04**

#### Special Session 4

#### Intelligent Perception and Control of Networked Motion Control Systems

Organizers:  
Dan Zhang, Zhejiang University of Technology, China  
Jun Cheng, Guangxi Normal University, China

**05**

#### Special Session 5

#### Advanced Fluid Power Transmission and Control

Organizers:  
Yan Shi, Beihang University, China  
Jicheng Chen, Beihang University, China  
Henglai Wei, University of Victoria, Canada

**06**

#### Special Session 6

#### Space Intelligence Dexterous Operation

Organizers:  
Luyuan Wang, Jiyang Yu  
China Academy of Space Technology  
Beijing Institute of Spacecraft System Engineering

**Dr. Jennifer Rowe**[iccarconf@outlook.com](mailto:iccarconf@outlook.com)

+86-139-7222-2224



Co-sponsored by



Hosted by



Supported by

