

# ISAIR2019

Daegu, Korea

20-24 Aug., 2019



## The 4<sup>th</sup> International Symposium on Artificial Intelligence and Robotics 2019

### Honorary Chairs

**Manu Malek**  
Stevens Institute of Technology  
**Ce Zhu**  
Univ. Elec. Sci. and Tech. of China

### General Chairs

**Pin-Han Ho**  
University of Waterloo  
**Nakhoon Baek**  
Kyungpook National University  
**Hyungseop Kim**  
Kyushu Institute of Technology

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**Huimin Lu**  
Kyushu Institute of Technology  
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Univ. of New South Wales

### Award Co-Chairs

**Rushi Lan**  
Guilin University of Electronic Technology  
**Jihua Zhu**  
Xi'an Jiaotong University

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Nanjing University of Posts & Telecoms

### Xin Jin

Beijing Electronic Science & Technology Institute

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Hefei University of Technology

### Publication Co-Chairs

**Dong Wang**  
Dalian University of Technology

### Weihua Ou

Guizhou Normal University

### Exhibit/Workshop Co-Chairs

**Zongyuan Ge**  
Monash University

### Registration Co-Chairs

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Yamaguchi University

### Publicity Co-Chairs

**Junwu Zhu**  
Yangzhou University

### Area Chairs

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**Jože Guna (UL)**

**Giancarlo Fortino (UC)**

**Li He (Qualcomm)**

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**Quan Zhou (NJUPT)**

**Donald Dansereau (Stanford)**

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**Xinliang Liu (BTBU)**

**Csaba Beleznai (AIT)**

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**Keshav Seshadri (CMU)**

**Gwanggil Jeon (INU)**

**Sangeen Khan (COMSATS)**

**Dario Lodi Rizzini (UP)**

## “Cognitive Intelligence for Robotics”

The integration of brain intelligence and Internet of Things technologies has become a topic of increasing interest for both researchers and developers from academic fields and industries worldwide. It is foreseeable that cognitive intelligence will be the main approach of the next generation of intelligence research. The explosive number of cognitive intelligence algorithms and increasing computational power of computers has significantly extended the number of potential applications for technologies. It has also brought new challenges to the artificial intelligence community. The aim of this symposium is to provide a platform for young researchers to share up-to-date scientific achievements in this field.

We invite original contributions on all topics related to *Cognitive Intelligence*, *Computer Vision*, *Multimedia*, *Internet of Things*, and *Robotics*, including, but not limited to:

- Audio Multimedia Learning
- Cross Multimedia Learning
- Cloud Multimedia Processing for Robotics
- Deep Learning for Robot Vision
- HPC GPUs for Deep Learning
- Multimedia for Robot Control
- Multimedia for Robot Navigation
- Multimedia Fusion for Robotics
- Multimedia Communications for Robots
- Multimedia Compression for Robots
- Intelligent and Learning Control
- Robotics and Mechatronics
- Robust and Nonlinear Control
- Biomedical Control Systems
- Robotic System Modeling and Simulation
- Machine Learning
- User Experience for Multimedia Systems
- Wireless Multimedia Robots
- 3D Scene Reconstruction
- RGB-D Vision
- Pattern Recognition and Computer Vision
- Computational Imaging
- Object Tracking
- Deep Learning for Computer Vision
- Big Data for Networks
- Internet of Things Applications
- Vision-based Robotic Manipulation
- AI-based Vision Sensors
- Medical Imaging and Processing
- Acoustic/Tactile Sensors Design
- Sensor Networks
- Virtual Reality/Mixed Reality

## PAPER SUBMISSION, PUBLICATIONS AND INDEXATION

Each submission should be regarded as an undertaking that, should the submission be accepted, at least one of the authors must register the paper and attend the conference to present the work in order for the accepted paper to be submitted into the Scopus.

Submission site & Template: <https://isair.site/submission/>

**All of the accepted high quality papers will be recommended to special issues in sustainability-related SCI indexed journals**, such as:

*Computers & Electrical Engineering (SCI)*

*IEEE Access Journal (SCI)*

*Mobile Networks and Applications (SCI)*

*Multimedia Tools and Applications (SCI)*

*Wireless Networks (SCI)*

*Applied Soft Computing (SCI)*

## IMPORTANT DEADLINES

Full paper submission..... **May 25, 2019**

Notification of paper acceptance..... June 1, 2019

Registration & final paper submission..... August 15, 2019



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URL <https://isair.site/>