



梧州學院  
WUZHOU UNIVERSITY



## **The 3rd International Workshop on Machine Vision and Intelligent Control (MVIC-2025)**

In conjunction with

**HPCC (The 27th IEEE International Congress on High Performance Computing  
and Communications)**

Exeter, UK. 13-15, August 2025, site: <https://hpcn.exeter.ac.uk/hpcc2025/>

### **Call For Papers**

The 3rd International Workshop on Machine Vision and Intelligent Control (MVIC-2025) provides a forum for scientists, engineers and researchers to discuss and exchange novel ideas, results, experiences and ongoing work on machine vision and intelligent control. The integration of machine vision and intelligent control technology is the key to promote intelligent manufacturing, electronic industry informatization and social management intelligence, and it is also the key to realize industrial transformation and upgrading. Based on image processing, optical theory, control theory, computer science, artificial intelligence, big data analysis, operations research and other disciplines, machine vision and intelligent control expands crucial technologies such as industrial imaging, perceptual intelligence, cognitive intelligence, and control systems, and their application fields include shipping, optoelectronics, agriculture, industry, medical treatment, transportation and public services, aerospace and other industries.

### **Topics of interest include, but are not limited to:**

- Deep learning
- Image processing and object recognition
- Computer vision
- Data mining
- Data intelligence and system integration
- Big data processing and intelligent computing
- Intelligent data and applications
- Data science theory
- Data mining and applications

- Communication and intelligent interconnection
- Imaging and processing systems
- Information retrieval
- Recommendation system
- Natural language processing
- High performance computing
- Algorithm and computer architecture
- Network encoding and signal processing
- Information security and network security
- Internet of Things and wireless sensing networks
- Integrated circuit design
- Imaging spectroscopy and optical design
- Optoelectronic precision instrument
- Intelligent control
- Intelligent manufacturing
- Intelligent systems and controls
- Hardware architecture and design tools
- Operational research optimization
- Blockchain technology

### **Submission Guide:**

Papers should be written in English. Submitted papers must be original work, and may not be under consideration for another publication. The length of the paper is up to 6 pages (or 10 pages with over length charge). Each paper will be peer-to-peer reviewed by MVIC-2025. Papers, which are accepted and presented at MVIC-2025 Workshop, will be published in IEEE HPCC2025 proceedings and submitted for inclusion into EI indexing.

**Please submit paper via IEEE HPCC Workshop MVIC-2025 website**  
<https://hpcn.exeter.ac.uk/mvic/>

### **Important Dates:**

Submission Deadline: **15 June 2025**

Authors Notification: **30 June 2025**

Final Manuscript Due: **15 July 2025**

Registration Due: **15 July 2025**

## **Organising Committee:**

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