

# 2024 the 10th International Conference on Communication and Information Processing

Lingshui, Hainan, China / November 14-17, 2024

## Track 11

### Smart Agriculture

With the rapid development of globalization and science and technology, agriculture is undergoing a revolutionary change. Smart agriculture, as the core of this change, integrates a variety of high-tech technologies such as the Internet of Things, Big Data and Data Analytics, Cloud Computing, Artificial Intelligence and Machine Learning, Remote Sensing, Computer Vision, Robotics and Automation Technology, aiming to improve the intelligence, precision, and sustainability of agricultural production. The session aims to showcase and discuss the latest smart agriculture technologies, analyze the development trends, opportunities and challenges of smart agriculture, identify and discuss the problems and obstacles encountered in the development of smart agriculture, and explore solutions. At the same time, attempt to introduce cutting-edge artificial intelligence technologies such as the latest visual perception, embodied intelligence and large language models into traditional agricultural tasks to address the challenges of existing agricultural production and enhance participants' awareness of smart agriculture technologies and applications.

### Topics

- Smart Agriculture System Architecture
- 2. Digital Agriculture High-tech
- 3. Intelligent agricultural machinery and the development of modern agricultural services
- 4. Agricultural sensors and remote sensing technology
- 5. Agricultural big data and artificial intelligence
- Agricultural e-commerce and supply chain management
- Agricultural information engineering and services
- Precision Agriculture and Resource Management
- 9. Agriculture Robotics

### Special Session Organizer(s):

Weilong Ding  
Zhejiang University of Technology

Jiguang Zhang  
Institute of Automation, Chinese Academy of Sciences

### Submissions

Submit method: <http://iccip.org/submission.html>

Submit full paper/abstract via online system: <https://www.zmeeting.org/submission/iccip2024>

### Publication

ICCIP 2024 is to publish latest & high-quality research works on communication and information processing in theoretical and practical aspects. Submitted paper will be peer reviewed by conference committees. The accepted paper will be included into ICCIP 2024 Conference Proceedings, which will be archived in the ACM Digital Library, and indexed by Ei Compendex and Scopus

### Contact us

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