

**Special Session on**  
**Intelligent Systems: Agri-health and Informatics**  
**in conjunction with**  
**13th World Congress on Information and Communication Technologies**  
**(WICT2023)**  
**December 14-15, 2023**  
**Website:**  
<http://www.mirlabs.org/wict23/cfss.php>  
**Hybrid Mode – Online & Offline**  
**Onsite Venues:** <https://tistcochin.edu.in/>

### **Objectives and Scope**

The objective of this special session on “INTELLIGENT SYSTEMS: AGRI-HEALTH AND INFORMATICS” is to examine how intelligent systems like artificial intelligence, machine learning, and data analytics can be used to tackle problems in the healthcare and agricultural industries. The main idea is to investigate the application of intelligent systems in the agricultural and medical fields. The discussion will centre on the creation and application of intelligent systems for raising agricultural quality and output as well as for strengthening healthcare in rural areas. Precision farming, smart farming, telemedicine, e-health, and health informatics will all be covered throughout the session. The event will also go through potential and problems in the agri-health and informatics fields, as well as concerns with data security, privacy, and interoperability. Data privacy and security are a major issue since the use of intelligent systems necessitates the gathering and analysis of sensitive data. Interoperability is a problem because various systems may adhere to various standards and data formats. Due to the similarities in the issues that both the agriculture and healthcare sectors confront when it comes to data management, analytics, and decision-making, the session will also look at potential areas of collaboration between these two industries.

### **Subtopics**

The topics include, but are not limited to:

- **Agriculture and smart farming**
- **Telemedicine, e-health, and health informatics**
- **Data privacy, security, and interoperability**
- **Machine learning and artificial intelligence**
- **Internet of Things (IoT) and sensor networks**
- **Block-chain and distributed ledger technologies**
- **Intelligent Computing**
- **Computer Security**
- **Data and Communication Systems**
- **Machine Vision & Image Processing**
- **Robotics and mechatronics technologies**
- **Artificial intelligence and knowledge based systems technologies**

## Paper publications

- Proceedings will be published in Lecture Notes in Networks and Systems, Springer (<https://www.springer.com/series/15179>)
- Indexed by SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago
- Papers maximum length is 10 pages
- Papers must be formatted according to Springer format (Latex/word) available at: <https://www.springer.com/de/authors-editors/book-authors-editors/manuscript-preparation/5636#c3324>
- Submission Link: <https://cmt3.research.microsoft.com/WICT2023>

## Important Dates

Paper submission due: **September 30, 2023**

Notification of paper acceptance: **October 31, 2023**

Registration and Final manuscript due: **November 10, 2023**

Conference Date: **December 13-15, 2023**

## Special Session Chair

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