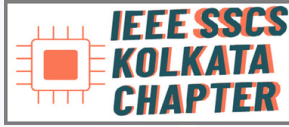




इलेक्ट्रॉनिकी एवं
सूचना प्रौद्योगिकी मंत्रालय
MINISTRY OF
ELECTRONICS AND
INFORMATION TECHNOLOGY

Technical co-sponsorship

Proceeding Partner



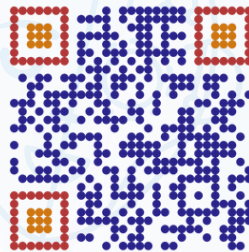
INTERNATIONAL CONFERENCE ON SYSTEMS AND TECHNOLOGIES FOR SMART AGRICULTURE (ICSTA 2023)

A Unique Platform to Share Thoughts, Present Works & Showcase Technology

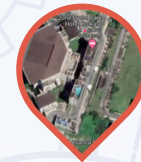
Centre for Development of Advanced Computing (C-DAC) Kolkata, in association with the University of Calcutta, is hosting an International Conference on Systems and Technologies for Smart Agriculture (ICSTA 2023). ICSTA 2023 is based on the theme "Cultivation of civilization through sustainable agricultural practices-Together We Make it Possible".



**December
19 – 20, 2023**



ICSTA 2023



**Biswa Bangla Convention
Centre, New Town, Kolkata,
West Bengal, India.**

About C-DAC: Centre for Development of Advanced Computing (C-DAC) is the premier R&D organization under the Ministry of Electronics and Information Technology (MeitY), Govt. of India, for carrying out R&D in IT, Electronics and associated areas. The Agriculture and Environment Electronics Group of the C-DAC, Kolkata centre, for over a decade, is engaged in high-end research to develop agricultural products and solutions employing IoT, Robotics, Image Processing, AI-ML and allied technologies.

About CU: The University of Calcutta is a public collegiate state research university located in Kolkata, West Bengal, India. It was established on 24 January 1857 and is the oldest multidisciplinary university in the country. Considered one of the best state research universities in India every year. It has 72 postgraduate departments, 151 affiliated undergraduate colleges and 16 institutes in Kolkata and nearby areas. It is the alma mater of many of the Noble Laureates of Indian Origin.

About Conference:

ICSTA 2023 sessions will discuss agricultural practices designed to preserve the Earth's natural resources, enhance crop quality, protect the environment, and restrict the health hazards of farmers, the ultimate founders of human civilization, through the intervention of electronics and ICT technologies. The program covers all aspects of tools and techniques for Smart Agriculture, including the Internet of Things, Mechanization and Automation, AI and ML, Computer Vision for Agriculture & Horticulture, Animal Science & Dairy, Fisheries & Aquaculture etc. This event will highlight significant research and its applications in agriculture and showcase emerging technologies and information management for agriculture.

ICSTA 2023 will offer oral and poster presentations and exhibits, as well as a discussion and exchange of information on various aspects of agriculture. This platform will allow scientists, researchers, academicians and young students to interact with eminent scientists/technologists working across the globe in interdisciplinary cyber-physical systems to make agriculture a profession of hope. Sessions will offer information on key topics for Scientists & Students, Agriculture Engineers, Farm Practitioners, Crop Consultants, Advisors, Extension Personnel, Agronomists, Producers, and other practitioners. ICSTA 2023 will serve as a common platform for discussing the new ideas/ developments/ breakthrough and prospects for multifunctional agricultural practices with leading scientists/technologists and to be acquainted with their experience and knowledge.

Program website: https://agrienics.in/view_conference/1/

Call for Papers: <https://easychair.org/conferences/?conf=icsta2023>

ICSTA 2023 encourages full-paper article submission in futuristic next-generation technologies. Authors are invited to submit original unpublished work that is not currently under consideration for publication elsewhere via the various track mentioned below.



**Cyber-Physical Systems
and IoT**



**Big Data, Data
Management and
Analytics**

**Automation and
Mechanization**



Agricultural Health



**Artificial Intelligence/
Machine Learning**



**Additive Technologies &
Food Engineering**

Security and Blockchain



**Sensor and sensing
system**



**Remote Sensing and
Aerial Imaging**

The paper will go through a peer review process by the reviewer panel, and authors will be notified. **Accepted and presented papers will be considered for possible publication as proceedings with Scopus indexed Springer book series.** An extended version of the selected papers will be published in a reputed journal. Papers must strictly adhere to the Springer template, and authors need to submit their papers online through EasyChair conference management systems.

The following are the tracks but not limited to:

- Track 1: Cyber-Physical Systems and IoT
- Track 2: Automation and Mechanization
- Track 3: Artificial Intelligence/Machine Learning
- Track 4: Security and Blockchain
- Track 5: Big Data, Data Management and Analytics
- Track 6: Agricultural Health
- Track 7: Additive Technologies & Food Engineering
- Track 8: Sensor and sensing system
- Track 9: Remote Sensing and Aerial Imaging

Keynote Speakers

Prof. Phillip G. Bradford

Faculty of Computer Science and Engineering,
University of Connecticut, USA

Prof. Ganesh Bora

Associate Vice Chancellor for Research and
Technology Innovation
Fayetteville State University, USA

Prof. Anupam Chattopadhyay

Associate Professor, Nanyang Technological
University-NTU Singapore

Prof. Santosh K. Pitla

Associate Professor, University of Nebraska-
Lincoln, USA

Paper submission link: <https://easychair.org/conferences/?conf-icsta2023>

Important Dates

**Last Date For Submission
(Hard Deadline)**

~~18th September 2023~~ **30th September 2023**

Acceptance

15th October 2023

Camera Ready Submission

30th October 2023

Early Bird Registration

1st November 2023

Date of Conference

19-20 December 2023

Registration

Category	Early Bird Registration	Late Registration
Student/Research Scholars	Rs 3000/-	Rs 6000/-
Presenting Faculty/Scientist	Rs 6000/-	Rs 8000/-
Industry/Start-ups	Rs 5000/-	Rs 8000/-
Accompanying/Attendee Delegate	Rs 5000/-	Rs 6000/-
Foreign Delegates	\$300	\$500

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