

## About Conference

Control Instrumentation Systems Conference (CISCON) is a flagship event organized since 2004 by the Instrumentation and Control Engineering Department at Manipal Institute of Technology, Manipal. This conference, over the years, has become a most sought-after conference and given a platform for both national and international participants to present their research papers. Also witnessed many experts from reputed industry/institutes from India/abroad present Keynote/invited lectures. CISCON-2024, XXI edition is scheduled to be organized on 02<sup>nd</sup>-03<sup>rd</sup> August 2024. Through this, we anticipate researchers', industry's, and academic experts' deliberate challenges and ideas related to instrumentation, control, and systems engineering trends. The conference allows attendees and stakeholders to network while exposing them to recent technical advancements and trends.

In an era marked by rapid technological advancements and complex systems, the theme for CISCON-2024 is set to inspire, challenge, and illuminate the path forward. We are proud to announce our conference theme: "Guiding Tomorrow: Emerging Trends in Control, Instrumentation, and Systems Engineering". As we sail through the sea of technological change, this theme invites participants to explore and chart the course for the future of control, instrumentation, and systems engineering. The theme underscores the importance of innovation, adaptability, and sustainability in a world where automation, data-driven decision-making, and interconnected systems have become the norm.

### Key Focus Areas:

1. Autonomous system
2. Health informatics
3. Data Science
4. Next-gen communication
5. Emerging Technologies

## THEME

### Guiding Tomorrow: Emerging Trends in Control, Instrumentation, and Systems Engineering



### Department of Instrumentation and Control Engineering, MIT

The Department of Instrumentation and Control Engineering was started in the year 2001 with an intake of 30 students at Manipal Institute of Technology, and today, the department has an intake of 120 students in EIE and 60 students in Cyber Physical System per year. The department has a well-equipped Instrumentation Lab, Process Instrumentation and Control Lab, Transducer Lab, Space Engineering Lab, Control System Simulation Lab, etc. The department has expertise in robust control, neural networks and fuzzy logic, mobile communications, biomedical instrumentation, adaptive control, electronics and instrumentation, MEMS hybrid systems, and intelligent sensors. The faculty of the department is involved in active research work in the above-emerging fields.



MIT, Manipal Academy of Higher Education



# CISCON

## 21<sup>st</sup> Control Instrumentation Systems Conference (CISCON-2024)

Organized in Hybrid Mode

By

Department of Instrumentation & Control Engineering, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, Karnataka



02<sup>nd</sup> & 03<sup>rd</sup> August ,2024

Sponsored by

IEEE, Bangalore Section



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## CALL FOR PAPERS

- Digital Learning and skill development

### IMPORTANT DATES:

Submission Deadline	02 April, 2024
Acceptance Notification	25 May, 2024
Closing Early Bird Registration	28 May, 2024
Registration closes	02 July, 2024
Camera Ready Copy	05 July, 2024
Conference Date	02 & 03 August, 2024

**All accepted and presented papers will be submitted for possible inclusion in the IEEE XPLORE digital library.**

### GENERAL CHAIR:

Prof. Shreesha C., HOD Department of ICE, MIT,  
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### CONVENERS

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CATEGORIES	STANDARDS	
Indian and SAARC countries author	IEEE Members	Non-IEEE Members
Student/Graduate students/Research Scholars/Industries	Rs.6000*	Rs.8500*
Early birds (Before May 28,2024)	Rs.6000*	Rs.7750*
Foreign authors (non-SAARC)	IEEE Members	Non-IEEE Members
Student/Graduate students/Research Scholars/Industries	\$120*	\$180*
Extra page (after 6 pages)	\$10*	\$10*

\*Registration fee does not include taxes

### PLACES TO VISIT



### GET IN TOUCH



Manipal Academy of Higher Education (MAHE)

Conference Email ID: [ciscon.mit@manipal.edu](mailto:ciscon.mit@manipal.edu)

Conference Website:

<https://conference.manipal.edu/ciscon/default>

### TRACK 1: Control and Automation

- Automation
- Control Systems
- Distributed Control System
- Energy Management
- Process Control
- Power Drive/Control
- Safety Monitoring
- Supervisory Control
- System Modeling
- Smart Grids

### TRACK 2: Biomedical and Healthcare

- Bio Medical Instrumentation
- Human Machine Interfacing
- Image Processing
- Instrumentation
- Mechatronics
- Bio-MEMS and Microfluidics
- Multi-Sensor Data Fusion

### TRACK 3: Computing and Data Science

- Computing
- Data Analytics
- Digital Signal Processing
- Machine Learning
- Optimization Techniques

### TRACK 4: Telecommunications, Networking and IOT devices

- Telecommunications Network
- Smart Cities and Urban Infrastructure
- Industrial IoT (IIoT) and Industry 4.0
- Agriculture and Environmental Monitoring
- Healthcare and Medical IoT
- Smart Homes and Consumer IoT
- Wearable Devices and Personal IoT
- Optical Communication
- Smart Transportation
- Antenna and Microwave Communication

### TRACK 5: Emerging Technologies

- Computer Vision and Deep learning
- Innovation and Entrepreneurship
- Sustainability
- AI and its application
- Virtual Instrumentation
- Recent Advances in power systems and grid.