

## 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 gave platform for both national and international participants to present their research papers and deliberate. Also witnessed many experts from reputed industry/institutes from India/abroad present Keynote/invited lectures. CISCON-2025, XXII edition is planned to be organized during 01<sup>st</sup>-02<sup>nd</sup> August 2025. Through the conference, we anticipate researchers, industry experts and academic experts deliberate challenges and ideas related to current trends in instrumentation, control, and systems engineering. The conference provides attendees and stakeholders a chance to do the networking while exposing to recent technical advancements.

In an era marked by rapid technological advancements and complex systems, the theme for CISCON-2025 is set to inspire, challenge, and illuminate the path forward. We are proud to announce our conference theme: "From artificial intelligence to real control: Technologies 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:

- Autonomous system
- Health informatics
- Data Science
- Next-gen communication
- Emerging Technologies

## THEME

**“Bridging artificial intelligence with technologies for Systems and Control 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

**22<sup>nd</sup> Control Instrumentation  
Systems conference (CISCON-2025)**

**Organized in Hybrid Mode**

**By**

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



**01<sup>st</sup> – 02<sup>nd</sup> August 2025**

**Sponsored by  
IEEE, Bangalore Section**

**“Exciting awards await the authors  
of the best papers in each track.”**

**CALL FOR PAPERS**

**TRACK 1: Control, Instrumentation, and Automation (CIA)**

- Linear Control Systems
- Distributed Control Systems
- Nonlinear Control Systems
- Industrial Automation
- Process Control
- Power Drive and Control
- Adaptive and Robust Control
- Fuzzy Logic Controller
- Stochastic Control
- System Modeling
- State Estimation
- Sensors and Transducers
- Instrumentation

**TRACK 2: Communication and Signal Processing (CSP)**

- Digital Signal Processing
- Embedded Systems
- Speech, Audio and Language Processing
- Antenna and Microwave Communication
- Optical Communication
- Wireless Communication
- Multi-Sensor Data Fusion
- Image Processing
- Communication Networks
- Wireless Sensor Networks

**TRACK 3: Cyber Physical Systems (CPS)**

- Smart Grids
- Internet of Things
- Smart Cities and Urban Infrastructure
- Cyber Security
- AR/VR Technologies
- Wearable Devices and Personal IoT
- Healthcare and Medical IoT
- Smart Homes and Consumer IoT
- Optimization Techniques

**TRACK 4: Interdisciplinary Systems Design (ISD)**

- Robotics
- Mechatronic Systems
- Bio Medical Instrumentation
- Industrial IoT (IIoT) and Industry 4.0
- Renewable Energy
- Bio-MEMS and Microfluidics
- Aerospace Applications

**TRACK 5: Data Science and Engineering (DSE)**

- Machine Learning
- Deep Learning
- AI Applications
- Data Analytics
- Generative AI

**TRACK 6: Sustainable Technologies (ST)**

- Human Machine Interfacing
- Innovation and Entrepreneurship
- Sustainability
- Skill development
- Agriculture and Environmental Monitoring
- Safety Monitoring
- Project Management
- Energy Management

**IMPORTANT DATES:**

Submission Deadline	31 January 2025
Acceptance Notification	15 April 2025
Closing Early Bird Registration	15 May 2025
Registration closes	15 June 2025
Camera Ready Copy	15 July 2025
Conference Dates	01-02 August 2025

All accepted and presented paper will be submitted for a possible inclusion in IEEE Xplore digital library.

**Table gives registration fees per paper without taxes i.e. registration fee does not include taxes.**

Categories	Type	STANDARDS	
Fees without Taxes		IEEE Members	Non-IEEE Members
Authors from India and SAARC countries	Early Bird	INR 8000	INR 10000
Authors from India and SAARC countries	Regular	INR 10000	INR 12000
Authors from foreign countries	Early	USD 250	USD 300

(non SAARC countries)	Bird		
Authors from foreign countries (non SAARC countries)	Regular	USD 300	USD 400

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