

IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT 2023)

14-16 July, 2023 | Venue: Ramaiah Institute of Technology, Bangalore, India | <https://ieee-conecct.org/>

Track - H : Sensors, Actuators, and Applications in Cyber-Physical Systems (CPS)**About CONECCT 2023**

International Conference on Electronics, Computing and Communication Technologies, (CONECCT) is a flagship conference of the IEEE Bangalore Section, India. The CONECCT 2023 in its 9th edition and will be held from July 14-16, 2023. The conference will feature plenary talks, tutorials, and invited papers by distinguished researchers and technologists as well as contributed papers from academics and industry professionals. Peer-reviewed accepted papers will most likely be published in IEEE Xplore as well as Conference Proceedings.

Cyber-Physical Systems (CPS) are transforming the way people interact with engineered systems. These integrate sensing, computation, control, and networking into physical objects and infrastructure, connecting them to the internet and to each other. Robots, intelligent buildings, implantable medical devices, and autonomous cars are all examples of CPS. These systems and their applications are cardinal in addressing challenges faced by policymakers and technologists.

Track H - Sensors, Actuators & Applications in Cyber-Physical Systems

Sensors, Actuators and Applications track in CPS is aimed at providing a platform for researchers, industry professionals, academicians and students working in the domain of sensors and related fields to publish their papers on the following themes but not limited to:

- Sensors and Actuators Systems for CPS: Signals, Processing, and Interfaces
- Sensors and Actuators Design for CPS: Materials, Fabrication, Simulation, Modeling, Validation, and Testing.
- Sensors for autonomous CPS.
- Sensor Networks and IoT for CPS.
- Sensors for space situational awareness, debris mitigation for CPS.
- Security of Sensor Networks and Systems in CPS.
- Sensors for Supply Chain Management in CPS.
- Real-Time Computing and Communication Systems for CPS
- Applications in CPS in the following areas (but not limited to): Aerospace, Biomedical, Automation, Automobile, Agriculture, Smart cities, Defense, Smart Grids, Robotics, Smart Environment.

Best Paper Awards**CONECCT Best Paper Award**

Rs 20,000/- & Certificate

(1 academia and 1 industry category)

Track Best Paper Award

Rs. 4000/- & Certificate

(If track receives ≥ 10 but < 20 papers then one common best track paper award. If submissions ≥ 20 , then separate track best paper awards in industry and academia.)

Track Chair

Dr. Lakshmi K P, Professor, Dept of ECE, BMSCE (kpl.ece@bmsce.ac.in)

Track Co-Chair

Dr. Nagamani K, Professor, Dept of ETE, RVCE (nagamanik@ieee.org)

Important Dates

Full Paper Submission : **05 March, 2023**

(Hard deadline, no further extensions)

Acceptance Notification : 26 Apr, 2023

Final Manuscript Submission : 22 May, 2023

Conference Date: 14-16 Jul, 2023

