



MARCH 14-15, 2024 / AIIT, AMITY UNIVERSITY, NOIDA, INDIA

11<sup>th</sup> International Conference on Reliability, Infocom Technologies and Optimization (ICRITO'2024)

(Trends and Future Directions)

<https://www.amity.edu/aiit/icrito2024/>

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## Call for Papers for Special Session on "IoT and Machine learning based Cyber-Physical System"

### Session Chairs

Mr. Atul Sharma and Dr. Sunita Rani

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### Theme of the Special Session:

This special session has a purpose to aim at gathering scientists, engineers and researchers with interest in research and application in IoT and Machine learning based Cyber-Physical System. As the integration of Internet of Things (IoT) and Cyber-Physical Systems (CPS) continues to shape our interconnected world, the synergy with Machine Learning (ML) has become paramount for harnessing the full potential of these technologies. This special issue aims to explore the latest advancements, challenges, and applications at the intersection of IoT, CPS, and ML. Topics of Interest: We invite original (un-published) research contributions based on the above-mentioned theme including following topics but not limited to:

- Intelligent sensing and data acquisition in IoT and CPS.
- Edge and fog computing for ML in IoT and CPS.
- Security and privacy challenges in ML-enabled IoT and CPS.
- Adaptive and self-learning systems in cyber-physical environments.
- Energy-efficient algorithms for ML in resource-constrained IoT devices.
- Integration of IoT, CPS, and ML for smart cities and industry applications.
- Real-time data analytics and decision-making in dynamic environments.
- Machine learning for anomaly detection and fault tolerance in IoT systems.
- Human-in-the-loop systems and human-centric design in IoT and CPS.
- Ethical considerations and societal impacts of ML

### Important Dates

Last date for receiving full paper	15/02/2024
Email notification of paper acceptance	20/02/2024
Last date for receiving camera-ready paper	25/02/2024
Last date of registration (Early Bird)	20/02/2024
Last date of registration (With Late Fee)	10/03/2024

### Program Committee

- Dr. Chander Diwaker, UIET, Kurukshetra University
- Ajay Chauhan Auckland University of Technology, New Zealand
- Prof Dinesh Sharma University of Maryland Eastern Shore, United States
- Dr. Alankrita Aggarwal Chandigarh University

### Paper Submission Process

- Submit your research paper (in pdf format) at <https://www.amity.edu/aiit/icrito2024/> in paper submission link with a copy of the paper to [asuiet@kuk.ac.in](mailto:asuiet@kuk.ac.in) with **Paper Id** mentioned in the subject line.