

Harnessing Machine Learning and Internet of Things (IoT) for Smarter, Scalable, and Human-Centered Innovations

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SESSION DESCRIPTION:

The integration of Machine Learning (ML) and the Internet of Things (IoT) is revolutionizing data collection, analysis, and application for practical decision-making. IoT devices produce substantial data streams; but, in the absence of intelligent processing, a significant portion of this information stays underexploited. Through the integration of ML-based models, IoT systems may detect trends, forecast outcomes, and enhance operations across various sectors, including healthcare, agriculture, transportation, and smart cities. This synergy boosts efficiency and facilitates adaptable, self-learning systems that respond to changing situations in real time. The proposed session would welcome submissions that emphasize practical applications, technological frameworks, and challenges including scalability, data privacy, and energy efficiency while also examining future perspectives for sustainable, human-centered technologies. The objective is to illustrate how ML-based IoT may facilitate intelligent solutions to tackle urgent global issues.

RECOMMENDED TOPICS:

Advancements in ML and IoT with Industry 5.0 Deployments [Data Analytics, IoT, ML, Smart Systems, Scalability, Innovation] impact in (not limited to),

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| ➤ AI and ML Applications | ➤ Data Analysis and Statistics | ➤ Smart Agriculture |
| ➤ AI-driven Systems | ➤ Decision Support Systems | ➤ Smart Appliances and Smart Homes |
| ➤ Big Data Analytics and Intelligent decision Making | ➤ Disaster Management | ➤ Smart Cities and Sustainable Infrastructures |
| ➤ Blockchain | ➤ Emerging Technologies for Industry 5.0 | ➤ Smart Healthcare and Digital Transformations |
| ➤ Computer Vision and Image Processing | ➤ Identity Theft and Protection | ➤ Smart Vehicles |
| ➤ Cyber Crime and Digital Terrorism | ➤ Information Retrieval | ➤ Social Media |
| | ➤ Information Security and Data Protection | ➤ Speech Recognition |
| | ➤ Internet of Things and Smart Systems | ➤ Privacy and Intrusion Detection |
| | ➤ ML-IoT deployment. | |

SUBMISSION PROCESS

Full papers describing the domain belong to Computational Intelligence, Cyber Security, Knowledge Engineering and Security, and IT Innovations

- Submission Link – Refer <https://meteor.springer.com/ICIoTCT>
- Before submitting your paper, please read the following guideline:
To know more about **paper format and other submission guidelines**, pls visit the following link of SN LNNS: [Computer Science proceedings LaTeX2e package](#)
[Computer Science proceedings Word templates](#) [Computer Science proceedings instructions for authors](#)
- Refer to <https://iciotct2025.iaasse.org/call-for-papers.html> for **Important Dates**
- Refer to <https://iciotct2025.iaasse.org/register.html> for **Registration Fees**.