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## INDIN 2023 Special Session on

# SS 05 - Adaptive Artificial Intelligence in the Cloud-enabled IoT AAICT-2023

### organized by

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## Call for Papers

The development of Internet of Things (IoT) systems and accelerating innovation are being made possible by machine learning techniques. Real-time data generated by various sensors of IoT provides not only data for training the model but also helps in inference or predictions. The Open IoT cloud platform provides a foundation for developing sizable IoT applications that rely on information obtained from an intricate network of sensors and intelligent devices. The implementation of such a framework faces many difficulties, one of which is the need to satisfy the Industrial Informatics-based applications' requirements for IoT data and services quality of service (QoS) in terms of energy efficiency, sensing data quality, network resource consumption, and latency. The INDIN-2023 AAICT Special Session is devoted to novel and excellent submissions. The following subjects are covered by the AAICT 2023; however, they are not restricted to them:-

- Design an efficient method for medical images super-resolution in IoT
- Machine-Learning and Artificial Intelligence for Traffic/Quality of Experience Management in IoT
- Hybrid Intelligent Models and Applications for IoT in Industrial applications
- Nature-Inspired Smart Hybrid Systems for IoT Context-Aware Systems
- Design and Evaluation of Energy Efficient Networks and Services in IoT
- Machine learning and Data Analytics and Decision Automation in IoT for Industry
- Knowledge-Based Discovery with Evolutionary Algorithms for QoS in IoT devices
- Fuzzy Fusion of Sensors, Data and Information
- Meta-Heuristic Algorithms for IoT and wearable Computing
- Hybrid Optimization Methods Emerging real-world and theoretical applications of IoT in Industry
- Innovative Deep Learning Architectures/Algorithms for Time Series Data and IoT
- Neural network modelling, analysis and synthesis techniques in ubiquitous communications
- Multi-Objective IoT System Modelling and Analysis—Performance, Energy, Reliability, Robustness
- Modelling and simulation of large-scale IoT scenarios and IoT standardization
- Machine learning for IoT and sensor research challenges: the battery of sensor, routing, prediction of nodes etc.
- Quality aspects in the IoT (e.g., runtime dependability, assurances, validation, verification, privacy, security)
- State-of-practice, experience reports, industrial experiments, and case studies in the IoT

**Submissions Procedure:** All the instructions for paper submission are included on the conference website <https://2023.ieee-indin.org/index.php>

**Deadlines:**

<b>Deadline for submission of papers:</b>	<b>March 01, 2023</b>
<b>Notification of acceptance of papers:</b>	<b>April 15, 2023</b>
<b>Final manuscripts due:</b>	<b>June 05, 2023</b>