



ICICC

INTERNATIONAL CONFERENCE ON INNOVATIVE
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OF DELHI, NEW DELHI IN ASSOCIATION WITH NATIONAL INSTITUTE OF
TECHNOLOGY PATNA & UNIVERSITY OF VALLADOLID SPAIN*

On
14-15 FEBRUARY 2025.

***** **CALL FOR PAPERS** *****

SPECIAL SESSION ON

Internet of Things for Industry 5.0 with Artificial Intelligence-Based Technologies

SESSION ORGANIZERS:

Session Chair: Dr. Khyati Chopra, Dr. Sherin Zafar

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SESSION DESCRIPTION:

The Industry 5.0 paradigm, systems based on artificial intelligence are an important component of the Internet of Things. Industry 5.0 demonstrated the important link between intelligent systems and people in most applications through precision manufacturing automation and critical thinking. In addition, Industry 5.0 brings with it several valid tools that help organizations operate cheaply and change immediately without capital investment. In recent years, smart devices, wireless communication, and sensor nodes have advanced greatly, transforming Internet of Things (IoT) ecosystems. With IoT devices, users can receive information even in rural areas and generate unbounded reports. Also, as previously mentioned, they meticulously guide people with intelligent judgments through communication technology. Many connected devices collect significant amounts of detected raw data when they require pre-processing. Although, it hardly becomes valuable for IoT devices and sufficient resources require Edge computing. AI-based algorithms are essential tools for data inference in Edge computing. In addition, observed data collected by IoT applications is usually unstructured and needs further analysis, where AI-based models help extract relevant information. Furthermore, malicious files are possible when

data are transferred from one device to another. Therefore, this special session looks at Industry 5.0, IoT architecture, and AI-based IoT.

Session committee member's details

1. Dr. Khyati Chopra, Assistant Professor, IP University
2. Dr. Sherin Zafar Assistant Professor Department of Computer Science and Engineering, School of Engineering Sciences and Technology, Jamia Hamdard, New Delhi, Delhi, India

RECOMMENDED TOPICS:

Topics to be discussed in this special session include (but are not limited to) the following:

The topics should be in the scope of the conference:

1. Applications of Soft Computing Techniques, Internet of Things (IoT) system architectures.
2. AI and IoT technologies for healthcare automation design and evaluation, Hybrid AI and IoT enabled healthcare solutions that are energy efficient.
3. Machine learning Tools, methodologies, and infrastructure for developing and deploying AI and IoT-enabled healthcare systems.
4. Deep Learning techniques and Healthcare System Optimization, Deep Learning exploration and data mining of health records.
5. Optimization Techniques towards Renewable Energy Systems, Long short-term memory (LSTM) healthcare, standards and interoperability, AI Healthcare Security and Privacy.
6. Federated learning approach in healthcare 5.0 to improve the learning process of clinical data.
7. Intelligent hybrid approaches to enhance secure communication.
8. AI and ML-based framework that will develop an effective collaborative architecture

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on Internet of Things for Industry 5.0 with Artificial Intelligence-Based Technologies

on or before [30th November 2024]. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at https://icicc-conf.com/paper_submission. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please Internet of Things for Industry 5.0 with Artificial Intelligence-Based Technologies at the top (above paper title) of the first page of your paper.

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