



ICICC

INTERNATIONAL CONFERENCE ON INNOVATIVE
COMPUTING AND COMMUNICATION



Springer

ICICC-2025

8th International Conference on Innovative Computing and Communication

ORGANISED BY: SHAHEED SUKHDEV COLLEGE OF BUSINESS STUDIES, UNIVERSITY 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

Challenges and solutions for securing IoT devices & big data environments

SESSION ORGANIZERS:

Dr. Vinay Kumar Pandey, School of Computing Science & Engineering, Galgotias University, Greater Noida, India, vkp1979@gmail.com.

SESSION DESCRIPTION:

In an increasingly interconnected world, the proliferation of Internet of Things (IoT) devices and the vast amounts of data they generate presents opportunities and significant security challenges. This session will explore the unique vulnerabilities associated with IoT devices, such as inadequate security protocols, device diversity, and the sheer scale of data generated. We will discuss the implications of these challenges on data privacy, regulatory compliance, and overall cybersecurity.

Key topics include:

- a. **Understanding IoT Vulnerabilities:** An overview of common security flaws in IoT devices, including lack of encryption, insecure interfaces, and poor update mechanisms.
- b. **Big Data Security Risks:** Examining how the volume and variety of big data create new attack surfaces and complicate traditional security measures.

- c. Integrating Security Frameworks: Discuss best practices for implementing security frameworks that address IoT and big data, including zero trust architecture and AI-driven security solutions.

RECOMMENDED TOPICS:

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

- Weak Default Security Settings
- Data Transmission Security
- Device Diversity
- Data Privacy Regulations
- Cloud Vulnerabilities

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **[session name] 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 specify **[Session Name]** at the top (above paper title) of the first page of your paper.

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