



International Conference on Cybersecurity, Data Science, and Machine Learning (ICCDM-2026)

Organized by: Universiti Putra Malaysia, Selangor, Kuala Lumpur, Malaysia &

Keshav Mahavidyalaya, University of Delhi

&

Universal Innovators

Venue: Universiti Putra Malaysia, Selangor, Kuala Lumpur, Malaysia

Date: 24th-25th April 2026

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

SPECIAL SESSION ON

Challenges and Innovations in Internet of Things (IoT) Security

SESSION ORGANIZERS:

1. Dr. Mohammad Tabrez Quasim
Associate Professor, University of Bisha, Saudi Arabia
2. Dr. Mohammad Waseequ Sheraz
Assistant Professor, University of Bisha, Saudi Arabia

SESSION DESCRIPTION:

The Internet of Things (IoT) is transforming modern life by connecting homes, healthcare, industries, transportation systems, and smart cities. However, this massive connectivity introduces significant security and privacy challenges. With billions of devices deployed worldwide, even minor vulnerabilities can lead to severe cyber threats.

This special session aims to provide an international platform for researchers, academicians, and industry professionals to present innovative ideas, solutions, and case studies addressing IoT security challenges. Contributions focusing on emerging technologies, real world applications, and future research directions are highly encouraged.

RECOMMENDED TOPICS:

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

- Secure architectures and frameworks for IoT
- AI and machine learning for IoT security and threat detection
- Blockchain and decentralized IoT security solutions
- Authentication, authorization, and access control mechanisms
- Privacy preserving techniques for IoT environments
- Lightweight cryptography for resource constrained devices
- Edge and fog computing for secure IoT systems
- Security in smart healthcare, smart cities, and industrial IoT
- Regulations, standards, ethics, and best practices in IoT security

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on ***“Challenges and Innovations in Internet of Things (IoT) Security ” on or before 25th February 2026.*** 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://www.iccdm-conf.com/downloads>. All submitted papers will be reviewed on a double-blind, peer-review basis.

NOTE: While submitting a paper in this special session, please specify ***“Challenges and Innovations in Internet of Things (IoT) Security ”*** at the top (above paper title) of the first page of your paper.

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