

School of Computing

Department of Artificial Intelligence & Machine Learning

6th International Conference on Computer & Communication Technologies (IC3T) 2024

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Special Session on **Security Solutions for Integrated IoT Ecosystems**

Session Chair:

Dr. M. Rudra Kumar, B. Tech., M. Tech., Ph.D.

Professor, Department of Information Technology
Mahatma Gandhi Institute of Technology
Hyderabad, Telangana (State), India.

Email: mrudrakumar_it@mgit.ac.in , mrudrakumar@gmail.com

Mobile: (+91) 81427 81437

Session Co-chairs:

B. Swathi (Ph.D.)

Asst. Professor
Department of Computer Science and Engineering
G. Pulla Reddy Engineering College
Kurnool, A.P.

Email: bswathi.cse@gprec.ac.in , jayeshwaru@gmail.com

Mobile: 9603964008

Surya Pavan Kumar Gudla (Ph.D.)

Asst. Professor
Department of Computer Science and Engineering
Aditya Institute of Technology and Management,
Tekkali, A.P. India

Email: Pavan1980.mca@gmail.com

Theme of the Session:

This special session aims to provide a premier interdisciplinary forum for researchers, engineers, and practitioners to present and discuss the most recent innovations, trends, concerns, practical challenges, and solutions in the fields of security solutions for integrated IoT ecosystems, including security in fog computing, edge computing, Internet of Vehicles (IOV), and Internet of Medical Things (IOMT) technologies.

Objectives:

- To offer a platform for academic scientists, researchers, and industry practitioners to exchange and share their experiences and research results on various aspects of security in integrated IoT ecosystems.
- To present and discuss the latest innovations, trends, and practical challenges in the field.
- To foster research relations and collaboration opportunities among universities, industry, and government bodies.
- To create awareness about the latest tools and techniques in securing IoT ecosystems and discuss actionable solutions.

Context:

- The session will address the adoption of recent technologies to enhance security applications in IoT ecosystems, aiming to solve societal problems.
- Focus on upgrading security in advanced systems such as fog and edge computing, IOV, and IOMT to provide more intelligent and professional services.
- Provide opportunities for participants from industry, academia, and research organizations to present their research outcomes.
- Encourage interaction with domain experts to enhance networking and collaboration.

Scope:

This special session will focus on sharing advances and innovative security technologies among scientists, scholars, engineers, and students from different universities and industry practitioners. It aims to foster collaboration among stakeholders and address research issues in securing integrated IoT ecosystems.

Topics of Interest:

The topics of interest for this special session include, but are not limited to:

- IoT Security Architectures
- Security in Fog Computing

- Security in Edge Computing
- Internet of Vehicles (IOV) Security
- Internet of Medical Things (IOMT) Security
- Data Privacy in IoT
- Threat Detection and Mitigation
- Secure Communication Protocols
- Blockchain for IoT Security
- Artificial Intelligence in IoT Security
- Intrusion Detection Systems
- Secure Firmware and Software Updates
- Identity and Access Management in IoT
- Cyber-Physical Systems Security
- Privacy-Preserving Computing in IoT

Paper Submission Process:

Paper submission link:

<https://cmt3.research.microsoft.com/IC3T2024/Submission/Index>

For details visit:

<https://ic3t.co.in/>

email: ic3t.mbu2024@gmail.com

Program Committee:

- Dr. Siva Ram Rajeyyagari, Dean IT & E-Learning, Shaqra University, Shaqra
- Dr. Valli Kumari. Professor, Andhra University, Vishakhapatnam
- Neha Sharma, Ph.D. - Chandigarh University, Chandigarh.
- Sreenivasa Chakravarthi Sangapu, Amrita Vishwa Vidyapeetham, Chennai

For further queries related to this special session, please contact the session chair:

- Dr. M. Rudra Kumar: Email Id: mrudrakumar@gmail.com, Mobile: (+91) 81427 81437