ICAIN-2024
International Conference on Artificial Intelligence and Networking

Organized by
Guru Tegh Bahadur Institute of Technology (GTBIT),
affiliated to
Guru Gobind Singh Indraprastha University (GGSIPU), Delhi
in association with
Portalegre Polytechnic University & Institute of Technology and Business in České Budějovice, Czech Republic
&
Keshav Mahavidyalaya, University of Delhi

24th - 25th September 2024

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

SPECIAL SESSION ON

Cryptographic Techniques for Secure Machine Learning Inference

SESSION ORGANIZERS:

1. Dr. Manish Verma, Galgotias University, Gr. Noida, UP, India, mv.nitk.2011@gmail.com
2. Dr. Ashutosh Dhar Dwivedi, Aalborg University, Copenhagen, Denmark, addw@es.aau.dk
3. Mr. Keshav Kaushik, University of Petroleum and Energy Studies, Dehradun, keshavkaushik@ddn.upes.ac.in

EDITORIAL BOARD: (Optional)

[Name, University or Organization, Country, e-mail]

SESSION DESCRIPTION:

This distinctive session warmly welcomes academics, scientists, researchers, and scholars to unite and exchange their insights and research discoveries across diverse subjects encompassing security, machine learning, artificial intelligence, and the Internet of Things. The importance of ensuring data security within the cloud environment has become increasingly complex. There has been a surge in research efforts focusing on enhancing data security through authentication mechanisms in the cloud, employing cryptographic techniques. However, traditional cryptographic methods are facing challenges due to rapid technological advancements, including significant progress in mathematics, the ability to perform extensive computations, and the potential for quantum computations to become widespread. Quantum Cryptography is emerging as a solution to address these challenges, offering a resilient form of cryptography built on the foundation of quantum-based public key distribution, which ensures confidentiality. The objective of this session is to offer a highly beneficial interdisciplinary forum where researchers, practitioners, and educators can showcase and deliberate on the most recent advancements, trends, and challenges within the realms of security, machine learning, artificial intelligence, and the Internet of Things. This encompasses addressing real-world problems encountered and the solutions implemented.

RECOMMENDED TOPICS:

Subjects to be covered in this special session encompass (but are not restricted to) the following:

- *Security*
- *Quantum Cryptography*
- *Cyber security*
- *Machine Learning*
- *Artificial Intelligence*
- *Internet of Things (IoT)*
- *Internet of Behaviour (IoB)*
- *Energy Efficiency*
- *Ad-hoc Networks*
- *Wireless Sensor Networks*

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on ***"Cryptographic Techniques for Secure Machine Learning Inference"*** **on or before 30th July 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://www.icain-conf.com/downloads. All submitted papers will be reviewed on a double-blind, peer-review basis.

NOTE: While submitting paper in this special session, please specify ***"Cryptographic Techniques for Secure Machine Learning Inference"*** at the top (above paper title) of the first page of your paper.

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