



ICICC-2022
**5th International Conference on Innovative Computing and
Communication**

Organized by Shaheed Sukhdev College of Business Studies, New Delhi, India
On 19-20 February 2022.

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

SPECIAL SESSION ON

Convergence of IoT and Blockchain using Machine learning approaches

SESSION ORGANIZERS:

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SESSION DESCRIPTION:

Digital revolution is characterized by the convergence of technologies, rapidly advancing fourth the industrial revolution thereby blurring the lines between physical, digital and biological objects. The speed of the fourth revolution which evolves at an exponential rate cannot by any means be compared with any previous technologies. AI and IoT employ the interactions and operations in various fields such as home appliances, autonomous vehicles, nanotechnology, robotics, cognitive systems, self-driving cars and wearable devices. The potential of blockchain technology is realized in many sectors nowadays as security plays a crucial role everywhere. There is a tremendous increase in the usage of AI and IoT technologies in various firms. AI has big potential to identify the patterns and anomalies in the data generated by IoT sensors. The accuracy of operational predictions using AI technologies is greater when compared to threshold-based monitoring systems. IoT and connected systems drive AI as intelligent automation which makes sense of data generated from sensor devices in decision making process. Blockchain plays a significant role in providing security during data handling operations and defines how trusted transactions can be carried out addressing the solution for internet facing vulnerability problems. Blockchain solves the security fault line among AI and IoT where most of the IoT devices are connected to each other through public networks.

RECOMMENDED TOPICS:

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

- **Frameworks, architectures and models for convergence of machine learning, IoT and blockchain**

- AI and ML based blockchain solutions for IoT
- Management of blockchain using machine learning
- Blockchain for validating AI decisions
- Machine learning based blockchain for data storage
- Machine learning based blockchain transactions
- Machine learning techniques for blockchain data exchanges
- IoT and blockchain challenges
- IoT and blockchain: the broader picture and future
- Machine learning techniques for optimization of IoT
- Blockchain enabled IoT platforms
- IoT security using AI and blockchain
- Blockchain based learning analytics platform
- Blockchain solutions for big data challenges
- Blockchain and artificial intelligence technologies for biomedical research and healthcare
- Blockchain and IoT across industries
- Blockchain-based intelligent transportation systems
- Emerging applications of blockchain, machine learning and IoT
- Machine learning applications for IoT healthcare
- Machine learning applications for IoT based CRM
- Machine learning based knowledge extraction techniques for smart platforms
- Machine learning techniques for analysis of sensor records
- Any other related applications

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **[session name] on or before [15th October 2021]**. 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 http://icicc-conf.com/paper_submission.html. 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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