



ICICC-2024

7th International Conference on Innovative Computing and Communication

Organized by Shaheed Sukhdev College of Business Studies, New Delhi, India
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***** CALL FOR PAPERS *****

SPECIAL SESSION ON

[Blockchain and Artificial Intelligence]

SESSION ORGANIZERS:

1. [Dr. Anshu Khurana, Maharaja Agrasen Institute of Technology, Rohini, India, anshukhurana@mait.ac.in]
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EDITORIAL BOARD: (Optional)

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

SESSION DESCRIPTION:

Blockchain and Artificial Intelligence (AI) are two separate but related technologies that can be used to produce ground-breaking solutions across a range of industries. An overview of blockchain and AI, including its use cases and the need for ethics, is given below:

Blockchain and AI:

AI describes the creation of computer systems that can analyze natural language, recognize patterns, and make decisions, among other things that would ordinarily need human intellect. The distributed ledger technology known as blockchain, on the other hand, is renowned for its immutability, transparency, and security. Combining blockchain and AI can result in the development of safe, intelligent systems with more functionalities.

Blockchain and AI Application Areas:

- **Supply Chain Management:** Blockchain can offer transparency and traceability, while AI can be utilized to optimize supply networks. Together, they can contribute to ensuring the legitimacy and caliber of goods.
- **Healthcare:** Blockchain can safeguard patient information, maintaining data privacy and integrity, and AI can evaluate medical data for diagnosis and treatment recommendations.

- **Financial Services:** Blockchain can increase security and lower transaction costs in financial transactions, while AI can improve fraud detection and risk assessment.
- **Identity Verification:** Blockchain can securely store and manage identity data, while AI can be utilized for facial recognition and biometric authentication.
- **Smart Contracts:** By automating smart contracts, AI can increase their adaptability and intelligence.
- **Supply Chain and Logistics:** To improve logistics and lower fraud, blockchain transparency can be integrated with AI-powered predictive analytics.
- **Energy & Utilities:** Blockchain can provide transparent energy trade among consumers, and AI can aid in the effective management of energy systems.
- **Education:** Blockchain can validate and safeguard academic credentials while AI can tailor learning experiences.
- **Material Monetization:** By recommending and disseminating material, AI can assist content creators, and blockchain may guarantee fair pay through microtransactions.
- **Governance and Voting:** Blockchain can increase the security and transparency of elections while AI can increase the effectiveness of voting systems.

Blockchain and morality:

Blockchain ethics are required for a number of reasons:

- **Privacy and Security:** If blockchain transparency is not correctly managed, it can disclose private information. Protecting data security and individual privacy are ethical considerations.
- **Smart Contracts:** It's important to guarantee fairness and legality in smart contracts. To avoid exploitation or unforeseen consequences, ethical principles are required.

RECOMMENDED TOPICS:

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

- [Artificial Intelligence in Healthcare]
- [Blockchain in Healthcare]
- [Optimization in Computer Vision]
- [Blockchain & Deep Learning]
- [Ethics in Artificial Intelligence using Blockchain]
- [Artificial Intelligence for Sustainable Development Goals]

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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