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UNIVERSITY**

CALL FOR PAPER

Special Session on

***“Advanced Blockchain Technology towards 6G Wireless
Networks”***

In

International Conference

on

**Contemporary Computing and Informatics
(IC³I-2023)**

14th–16thSeptember 2023

At

**Amity University Uttar Pradesh, Plot No. 48 A, Amity Road, Knowledge Park III, Greater
Noida, Uttar Pradesh, India – 201308.**

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Session Chair:

**Dr. T. Poongodi, Professor, School of Computing Science and Engineering,
Galgotias University, Greater Noida, Delhi-NCR, India.**

Dr. Anand Nayyar, Professor, Scientist, Vice-Chairman (Research), Director (IoT and Intelligent Systems Lab), School of Computer Science, Duy Tan University, Da Nang, Vietnam.

Dr. R. Gopal, Assistant Professor, Information and Communication Engineering, College of Engineering, University of Buraimi, Al Buraimi, Oman.

Important Weblinks:

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Important Dates:

Paper Submission Deadline:	14 th June 2023
Notification of Acceptance:	16 th July 2023
Camera Ready Paper Submission Deadline:	31 st July 2023
Last Date of Registration:	12 th August 2023
Conference Date:	14 th – 16 th September 2023

[Amity University](#) is a research driven University which offers higher education in diverse field from Engineering, Management, Life Sciences, Applied Science and the like. Amity University provides quality platform for research in field of Academics. The campus is organizing International Conference on Contemporary Computing and Informatics on 14th– 16th September 2023.

This Conference includes many topics which were deeply deliberated and which brewed new ideas. Thus, giving rise to new avenues for researcher. We aim to take those concepts further to derive fresh hypothesis and arrive at the logical deductions. The participation of scientist from across the globe was very encouraging in our last conferences organized in India. This time we are anticipating even larger congregation from more diverse domains as we are reaching out too many eminent philosophers, thinkers and academicians from scientist fraternity.

Aim and Scope:

The session on Advanced Blockchain Technology towards 6G Wireless Networks is an interesting topic in which the researchers, academic scientist, and industrial experts can share their research findings and experiences. Blockchain and 6G wireless networks, are the cutting-edge technologies that explores their potential synergies and applications. Blockchain's decentralized and tamper-resistant nature can contribute to secure and trustworthy communication in 6G, protecting against various threats such as data breaches, identity theft, and network attacks. Furthermore, how blockchain can enable new use cases and business models in the context of 6G wireless networks can be explored. For example, smart contracts and decentralized applications built on blockchain can facilitate automated and transparent network management, resource allocation, and billing systems. Additionally, the challenges and research directions associated with integrating blockchain technology into 6G networks which include scalability issues, consensus mechanisms, interoperability with existing network infrastructure, and the impact on network performance can be presented.

Sub-themes (but not limited to):

Topics of interest include, but are not limited to, the following:

- Blockchain and 6G for Secure and Ubiquitous Communication in IoT
- Dynamic Spectrum Sharing using blockchain for 6G Networks
- Privacy aware Blockchain for 6G Wireless Communications
- Smart Contract for Spectrum Management in Ubiquitous Internet of Things
- Digital Twin Driven for efficient and reliable 6G Edge Network
- 6G use-cases for future human centric wireless networks
- Hybrid 6G Communication Modes for Block Propagation
- Block Propagation in Blockchain-Based 6G Network
- 6G wireless networks for future IoT
- Machine learning techniques for 6G network
- Blockchain based 6G for Unmanned Aerial Vehicles
- Blockchain based 6G wireless network for metaverse ecosystem
- Blockchain-empowered distributed AI
- Novel architectural framework 6G-blockchain network
- Energy-efficient solutions for 6G based blockchain applications
- Proof-of-concept for 6G and blockchain-enhanced applications
- Significance of blockchain in addressing significant challenges in 6G
- Cooperative trust among separate network entities
- Tracing, certification, and supervision functionalities
- Unified frameworks for blockchain radio access networks
- Efficient resource sharing in 6G networks
- Trusted access and data interaction in 6G networks

- Trustworthy and secure paradigm for 6G networking
- Consensus mechanisms for 6G wireless networks
- Smart contract for 6G systems
- Secure access control and privacy protection for 6G systems
- Cross-network sharing in 6G systems
- Blockchain based Data auditing, tracking and intelligent networking
- AI and Blockchain Technology in 6G Wireless Network
- Decentralized Network Management and AI-Enabled Intelligent Resource Management in 6G
- Cyber Security Forensics for 6G-Based Software Defined Networking
- Pioneering Blockchain Technology with 6G Wireless Networks Amalgamation in Pharmaceutical Industries
- Blockchain for future 6G: Technical aspects, Challenges and research directions
- Blockchain-Based AI Applications and 6G Wireless Networks
- Edge Intelligence and Blockchain Based 6G Integrated networks for IoT
- XAI in 6G systems

Note: It is a mandatory requirement that all papers submitted for this session must be e-mailed to tpoongodi2730@gmail.com, anandnayyar@duytan.edu.vn, rgoplkarur@gmail.com along with [Microsoft CMT](#) submission.

In case of any query, please write to us on:
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