

**6th International Conference Futuristic Trends in Networks and Computing Technologies
(FTNCT'06)**

Date of Conference: 23-24th December, 2024

VENUE: Graphic Era Hill University (GEHU), Haldwani Campus, Uttarakhand, India



Conference Website : www.ftnct.com

Important dates

Submission of Full Papers Deadline	20 November, 2024
Notification of Acceptance Deadline	30 November, 2024
Registration Deadline	10 December, 2024
Conference Dates	23-24 th December, 2024

Submission Link; <https://cmt3.research.microsoft.com/FTNCT2024>

All accepted papers will be published in Procedia Computer Science Journal, Elsevier (Scopus Indexed)

<https://www.journals.elsevier.com/procedia-computer-science>

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Special Session	Session Code: SS-26
Special Session Chairs	Dr. Xu Zheng, China
Session Chair Email	zhengxu@shu.edu.cn
Title of Special Session	Futuristic Trends in Networking and Computing: Innovations Shaping the Next Decade
Keywords	Futuristic Networking, Computing Trends, Quantum Computing, 5G/6G Networks, Edge Computing, IoT, AI-Driven Networks, Cloud Computing, Data Security
Topics/ Sub-topics	Session Overview: With the exponential growth in data generation and the rapid advancements in digital technologies, the future of networking and computing is evolving at an unprecedented rate. This special session focuses on the latest breakthroughs, trends, and future directions in networking and computing technologies that are set to transform industries, societies, and the digital landscape over the next decade. Bringing together researchers, industry experts, and technologists, this session will explore innovative solutions, emerging

paradigms, and cutting-edge research that drive forward-thinking solutions in networking and computing.

We invite high-quality submissions on, but not limited to, the following topics:

1. Next-Generation Network Architectures:

- Emerging trends in 5G/6G networks and their impact on connectivity
- Software-Defined Networking (SDN) and Network Function Virtualization (NFV)
- Autonomous networks driven by artificial intelligence and machine learning

2. Innovations in Computing Paradigms:

- Quantum computing and its potential applications
- Advances in high-performance computing and distributed computing models
- Neuromorphic computing and bio-inspired computing architectures

3. Edge and Fog Computing:

- Enabling ultra-low-latency applications through edge and fog computing
- Edge AI and the future of real-time analytics at the network's edge
- Case studies and applications of edge computing in IoT and smart cities

4. Artificial Intelligence in Networking and Computing:

- AI-driven automation in network management and optimization
- Intelligent traffic routing and network security using AI/ML
- Predictive maintenance and network resilience powered by AI

5. Data Privacy and Security in Future Networks:

- Emerging cybersecurity threats in complex networking systems
- Privacy-preserving computation techniques for secure data handling
- Blockchain and distributed ledger technologies in network security

6. Applications and Case Studies:

- Applications of advanced networking and computing in sectors such as healthcare, finance, manufacturing, and smart cities
- Success stories and challenges from deploying next-gen networks and computing systems
- Interdisciplinary case studies demonstrating the transformative power of futuristic networking and computing

Conference Contact; { fnct2018@gmail.com }, Whatsapp Only (+91-8920199069)

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