

**5th International Conference on Futuristic Trends in Networks and Computing Technologies
(FTNCT 2023)**

Date of Conference: 29- 30th July, 2023

VENUE: IEI, Chandigarh



Approved from Lecture Notes in Electrical Engineering (LNEE), Springer

SPECIAL SESSION ON “The Future of IoT In Healthcare: 2023 and Beyond”

SESSION CHAIR

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AIMS & SCOPE

The growth of IoT in healthcare is easily visible and expanding at an unmatched pace than ever before. Continuous improvements in healthcare and medical services have always been a hot topic in the market. The medical experts leverage advanced technical solutions and strive hard to transform the healthcare sector in the best way possible. One such sought-after alternative is the Internet of Things, or what we simply know as – IoT. This state-of-the-art technology has already posed an impactful impression over the world, and the healthcare industry is no different.

The implementation of IoT in healthcare is increasing at an unprecedented rate. It is often reported that the market revenue of IoT in the healthcare sector was \$74.31 billion in 2022 and is estimated to reach \$135.87 billion by 2025. From virtual healthcare assistance to enhanced medical examination, the applications of IoT in healthcare are constantly expanding. The benefits of IoT in healthcare are:

- Real-time reporting and monitoring
- End-to-end connectivity
- Well-organized data assortment and analysis
- Easy elderly assistance
- General body check-up on the go
- Lowering waiting time

The real-life applications of IoT in healthcare are – smart insulin pens, wearable, smart thermometers, smart pills, medical charting, and computer vision technology. Below research directions can be combined with IoT to enhance Healthcare

- Deep Learning
- Machine Learning
- Feature Extraction
- Computer Vision
- Security and Privacy for Medical Data

PUBLICATIONS: All the accepted paper after the oral presentation during the conference will be submitted to Springer LNEE Series (**LNEE Series is Indexed in Scopus, DBLP**).

SUBMISSION LINK: Kindly use the link below to upload your manuscript.

<https://cmt3.research.microsoft.com/FTNCT2023>

TOPICS OF INTEREST

Original unpublished articles are invited for submission to following tracks including the topics, but are not limited to:

- **Track 1 - Network and Computing Technologies:**
 - Parallel & Distributed Networks, Social & Smart Networks, Software Defined Networks, Vehicular Ad-hoc Networks, Mobile Ad-hoc Networks, Body Area Networks, Opportunistic Networks, Cognitive Radio Networks, QoS in Networks, Networks related issues, design, architectures algorithms and applications.
Mobile & Ubiquitous Computing, Grid & Distributed Computing, Edge Computing, Fog Computing, Cloud & Big Data Technologies, Parallel Computing, Quantum Computing, Cognitive Computing and their applications and related topics.
- **Track 2 - Wireless Networks and Internet of Things (IoT)**
 - Wireless Sensor Networks, Design and Implementation Issues in WSN, Network Security and Attacks, Network Protocols and QoS, Node Clustering in WSN, Routing and Architectures in WSN, High Speed Wireless Networks and related topics
IoT Architectures & Protocols, IoT's impact on 5G, IoT enabling technologies, IoT services and applications, IoT & Big Data Management, and future internet design for various IoT use cases, Big Data, Cloud and IoT for Smart World:- Smart City, Smart Transport, Smart Grid, Smart Healthcare, Education, HMS, DSS and Expert Systems for Smart World, E-Learning, Mobile learning and related topics.
- **Track 3 - Futuristic Computing Technologies:**
 - Computational Intelligence, Advancement in AI and Machine Learning (ML) Technologies, Expert System & Decision Support Systems, Deep Learning Technologies, Nature- Inspired Computing,

Natural Language Processing, Robotics, Computer Vision and Virtual Reality, Augmented Reality, Image Processing (IP) Applications, IP for Surveillance and Security Systems, Emerging Trends in ML and AI, Data Mining and Analytics, Pattern Recognition and Machine Vision, Web and Social Media Mining, Opinion Mining, Sentiment Analysis, Data Analysis for Smart World like Health-care, Education etc. and Emerging Technologies and its related topics.

- **Track 4 - Communication Technologies, Security and Privacy:**
 - Communication Technologies, Mobile Communication, Optical Communications and Networking, Internet of Vehicles (IoV), Future Internet Architecture and Protocols, Green Communications, Internet of Everything (IOE), Digital Modulation and Signal Processing and their application, Coding and Information Theory, Speech/Image/Video Processing and its applications, Cloud and Swarm Robotics, Cyber Physical Systems, Security & Privacy in Computing Technologies, Security in IoT & Cloud, Cyber Security and Malware protection, Data Security and Disaster Recovery, Security in Mobile Networks, E-Governance, Security in E-Governance and related topics. Visible light communication, Secured free space optics, optical steganography.

Important Dates

Submission of Full Papers Deadline	30th May, 2023
Notification of Acceptance Deadline	30th June, 2023
Registration Deadline	15th July, 2023
Conference Dates	29- 30th July, 2023

Publication Policies:

1. All registered and presented papers/review articles shall be submitted to SPRINGER for their possible publication in a Conference Proceedings format (online). However the right to accept and subsequent publication of each will be with Springer, that will be decided on the basis of the quality, novelty of work and the originality of the text, the manuscript will represent.

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