

ICIST -2026.
International Conference on Intelligent Infrastructure and Smart Technologies

Organized by TUIT, Tashkent, Uzbekistan

Date: 16th – 17th October 2026

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

SPECIAL SESSION ON

Smart Healthcare Systems: Data-Driven Innovations and Applications

SESSION ORGANIZERS:

1. **Dr. Sakshi Gupta**
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EDITORIAL BOARD: (Optional):

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

SESSION DESCRIPTION:

The increasing adoption of digital technologies, connected healthcare devices, and data-driven approaches is transforming the healthcare landscape. Smart healthcare systems are enabling more efficient disease diagnosis, patient monitoring, clinical decision-making, and healthcare management through the effective utilization of healthcare data and intelligent technologies.

The aim of this special session is to bring together researchers, academicians, healthcare professionals, and industry experts to present and discuss recent advances in smart healthcare systems and data-driven innovations. The session will provide a platform for sharing novel methodologies, technologies, and applications related to healthcare analytics, digital health, medical informatics, predictive modeling, intelligent decision support, remote healthcare, and personalized medicine. It seeks to promote interdisciplinary research and practical solutions that enhance healthcare quality, accessibility, efficiency, and patient outcomes.

RECOMMENDED TOPICS:

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

- Healthcare Data Analytics and Predictive Modeling
- Clinical Decision Support and Intelligent Healthcare Systems
- Mathematical and Computational Modeling in Healthcare

- Medical Informatics and Health Information Systems
- Multimodal Data Fusion Techniques
- Explainable AI (XAI) for Medical Decision Support
- Edge AI & Lightweight Models for Real-Time Analytics
- Big Data Technologies and Analytics in Healthcare
- Data Security & Blockchain Solutions in Healthcare
- Machine Learning in Drug Discovery and Repurposing

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **Smart Healthcare Systems: Data-Driven Innovations and Applications on or before 15th August, 2026**. 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 conference websites. All submitted papers will be reviewed on a double-blind, peer-review basis.

NOTE: While submitting a paper in this special session, please specify **Smart Healthcare Systems: Data-Driven Innovations and Applications** at the top (above paper title) of the first page of your paper.

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