

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

“Artificial Intelligence Across Disciplines: Transforming Multidisciplinary Research, Innovation and Applications”

SESSION ORGANIZERS:

[INSERT ORGANIZERS NAME WITH AFFILIATION & EMAIL ID]

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EDITORIAL BOARD: (Optional):

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

SESSION DESCRIPTION:

[INSERT THE SCOPE OF THE SESSION IN FEW LINES]

Artificial Intelligence (AI) has emerged as a transformative technology with applications extending across diverse scientific, engineering, medical, and professional disciplines. The integration of AI with domain-specific knowledge is creating new opportunities for solving complex multidisciplinary problems through intelligent prediction, optimization, automation, simulation, diagnosis, design, decision-making, and knowledge discovery.

This special session aims to provide a multidisciplinary platform for researchers, academicians, industry professionals, and practitioners to present recent advances in the application of Artificial Intelligence across diverse domains, including VLSI and semiconductor technology, Electrical Engineering, Electronics and Communication Engineering, Computer Science and Information Technology, Civil Engineering, Mechanical Engineering, Chemical Engineering, Pharmacy, Medical and Biomedical Sciences, Biotechnology, Materials Science, Environmental Science, Agriculture, Management, and other emerging areas.

The session particularly encourages research that combines AI techniques with domain-specific expertise to develop innovative solutions, intelligent systems, predictive models, optimization frameworks, decision-support systems, and next-generation technologies. Contributions addressing interdisciplinary collaboration, AI-driven innovation, explainable and trustworthy AI, generative AI, machine learning, deep learning, computer vision, natural language processing, digital twins, robotics, intelligent sensing, and AI-enabled automation are especially encouraged.

The objective of this special session is to highlight the role of AI as a common technological enabler for multidisciplinary research and to promote collaboration among researchers from different academic and industrial domains.

RECOMMENDED TOPICS:

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

- AI in VLSI Design, Semiconductor Technology, and Microelectronics
- AI in Electrical Engineering and Smart Energy Systems
- AI in Civil Engineering, Smart Infrastructure, and Construction
- AI in Mechanical Engineering, Manufacturing, and Industrial Automation
- AI in Pharmacy, Drug Discovery, and Pharmaceutical Sciences
- AI in Medical, Healthcare, and Biomedical Sciences
- AI in Environmental Engineering, Climate Science, and Sustainability
- AI in Agriculture, Food Technology, and Precision Farming
- AI in Robotics, IoT, and Intelligent Autonomous Systems
- Interdisciplinary AI: Integration of AI with Emerging Technologies

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **“Artificial Intelligence Across Disciplines: Transforming Multidisciplinary Research, Innovation and Applications”** on or before **15 September**. 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 **“Artificial Intelligence Across Disciplines: Transforming Multidisciplinary Research, Innovation and Applications”** at the top (above paper title) of the first page of your paper.

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