6TH INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE AND SMART ENERGY (ICAIS 2026)

ICAIS

29-30, January 2026

ORGANIZED BY

JCT | College of Engineering and Technology

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai & Accredited by NAAC
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PUBLICATIONS

Springer

Information Systems Engineering and Management

ABOUT-ICAIS 2026

Recent years have witnessed the evolution of Artificial Intelligence [AI] techniques like deep learning, machine learning, pattern recognition, Natural language processing [NLP], and computer vision and their revolutionary applications in the emerging smart city and industrial automation applications. In this scenario, AI provides smart and efficient tools for smart energy systems to perform smart electricity generation, emergency response, and delivery. The integration of renewable energy sources into the smart grid is made easier by using Artificial intelligence technologies. Meanwhile, Machine Learning the subset of Artificial intelligence provides some security and privacy assessment tools to the evolving smart energy grids. As Artificial Intelligence [AI] techniques are still remaining in the initial stage to revolutionize the way we generate, transmit and consume the energy in the smart city and industrial infrastructure. It is clearly known that the integration of AI in smart energy models will deliver a wide range of potential research opportunities to the smart energy management community. The main goal of the 6th International Conference on Artificial Intelligence and Smart Energy [ICAIS 2026] organized by Department of EEE, JCT College of Engineering and Technology, Coimbatore, Tamilnadu, India on 29-30, January 2026 is to propose, share and exchange innovative Artificial Intelligence [AI] solutions to enhance the efficiency, stability, robustness, and security of smart energy systems.

ABOUT-JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Shri Jagannath Educational Health and Charitable Trust was established by renowned and philanthropic people with an objective of providing education to all especially the down trodden and rural population. Considering the growing demands for technical education in the country the trust has started an engineering college namely JCT College of Engineering and Technology in Pichanur in Coimbatore for the academic year 2009-10. The College is located at Pichanur at the foothills of the Western Ghats in a serene, eco friendly lush green environment. It is well connected by road, rail and air. The Management strives hard to enhance the professional knowledge, skills and attitudes of educators, so that they might in turn improve the learning process of students. The college aims at developing a deep understanding of the human values and social concerns among the engineering graduates.

TECHNICAL CO-SPONSORS

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SAMBHRAM UNIVERSITY
Jizzax, Uzbekistan

SUBMISSION GUIDELINES

All papers must be novel and not simultaneously submitted to another conference/journal. All the manuscripts should be submitted via conference Email conf.icaisee@gmail.com in DOCX (WORD)/PDF format as per the format. Maximum number of pages allowed will be 6-8. Authors should ensure that the similarity score of their research paper is not above 15%. Manuscripts having a similarity score more than 10% shall not be processed.

CALL FOR PAPERS

ICAIS 2026 invites researchers, practitioners, and industry experts to submit original, high- quality research articles that contribute to the intersection of artificial intelligence, smart energy, and information systems. The conference aims to enable research collaboration, and the exchange of innovative ideas to address the pressing challenges and opportunities in this rapidly evolving field.

TRACK-1
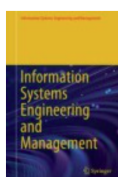### Intelligent Energy Systems and Information Technology

- AI optimization of energy grids with advanced information systems
- Data Driven Smart grid technologies and applications
- Blockchain-based energy trading and transaction management
- Cloud-based platforms for energy management and optimization
- Big data analytics for energy consumption patterns, forecasting, and demand response
- Digital and Multimedia systems for energy systems monitoring and visualization
- Computer networks and IoT for energy infrastructure connectivity
- Cybersecurity and privacy considerations in energy information systems
- Software engineering methodologies for energy management applications

TRACK-2
AI Applications in Energy Management and Information Systems

- AI-powered energy consumption forecasting and demand response management
- Machine learning for energy optimization in buildings and industrial facilities
- Deep learning for anomaly detection, fault diagnosis, and predictive maintenance
- Natural language processing for energy-related information retrieval and analysis
- Computer vision for industrial monitoring and asset management
- Reinforcement learning for energy control and optimization
- Autonomous robotics for infrastructure maintenance and inspection
- Human-computer interaction for developing smart and user-friendly interfaces
- Integration of AI and information systems for sustainable and resilient energy
- solutions

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KEYNOTE SPEAKERS

Dr. Matteo Anedda
University of Cagliari (UniCa)
Italy.

Dr. Zubair Baig
Deakin University Geelong,
Australia.

Dr. Alexandru TUGUI
"Al. I. Cuza" University,
Iasi, Romania.

Dr. Fatima Zahra Fagroud
Université Hassan II de Casablanca.
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COMMITTEE

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