

Bangkok, Thailand

20–22 October 2025

CALL FOR PAPERS

The annual ICITEE conference is an international forum for the presentation of new research results, innovative ideas, and experiences in the broad field of advanced and synergistic technologies. The 17th International Conference on Information Technology and Electrical Engineering (ICITEE 2025) is organized by IEEE CIS Thailand Chapter and co-organized by King Mongkut's Institute of Technology Ladkrabang (KMITL), Bangkok, Thailand and Universitas Gadjah Mada (UGM), Yogyakarta, Indonesia.

The ICITEE 2025 will feature regular paper presentations, invited sessions, and keynote addresses. The conference proceedings will be submitted for inclusion to the IEEE Xplore Digital Library®. The topics of interest include but are not limited to the following areas:

INFORMATION TECHNOLOGY: Distributed Systems; AI-Driven Knowledge Discovery and Explainable AI; Big Data, Data Mining, and AI-driven Analytics; Visualization and Computer Graphics; Multimedia Computing & Applications; Human-Computer Interaction (HCI) and Brain-Computer Interfaces (BCI); Social Media and Computational Social Science; Mobile Computing and Edge AI; Internet of Things (IoT) and Industrial IoT (IIoT); AI in Digital Marketing and Personalized Advertising; Software Engineering and AI-Assisted Development; AI-Powered Decision Support Systems; Network and Cyber Security (including AI-driven threats); Generative AI and Foundation Models; Digital Twin Technology

SIGNAL PROCESSING & MACHINE INTELLIGENCE: Artificial Intelligence (including Generative AI and Foundation Models); Machine Learning (Self-Supervised Learning, Federated Learning, and Few-Shot Learning); High-Performance Computing for AI (GPUs and TPUs); AI-Driven Signal and Image Processing (including Neural Compression and Super-Resolution AI); AI-Based Image Synthesis (GANs, Diffusion Models, and Neural Rendering); Computer Vision (Vision Transformers, 3D Vision, and Multimodal Perception); Natural Language Processing (LLMs, Multimodal AI, and Prompt Engineering); Graph Neural Networks (GNNs) and Geometric Deep Learning; Neurosymbolic AI and Explainable AI (XAI); Bioinformatics and AI in Healthcare (Medical Imaging, Computational Genomics, and Biomedical Signal Processing); Spiking Neural Networks (SNNs) and Neuromorphic Computing

COMMUNICATION & NETWORK TECHNOLOGIES: Networking and Telecommunication Systems; Wireless Ad-hoc and Sensor Networks; Cognitive Radio; Cooperative Communications; Radio Resource Management and Optimization; Vehicular Communications; Information Theory; Software Defined Networking

ELECTRONICS, CIRCUITS, AND SYSTEMS: Green Design for VLSI and Micro Electronic Circuits; Embedded Systems and SoC design; Power Electronics; RF Devices and Circuits; Computer-Aided-Electronics Design and Technology; Device Material and Manufacturing Technology; Photonic and Optoelectronic Circuits

POWER SYSTEM: Power Generation, Protection, and Conversion; Power Engineering and Systems; High-Voltage Engineering; Power Transmission and Distributions; Electric Motors; Power Electronics; Smart Grid; Renewable Energy; Microgrid and Distributed Generations

CONTROL SYSTEMS: Control Theory and Applications; Robotics and Autonomous Systems; Intelligent Control, Robust and Nonlinear Control; Adaptive Control, Industrial Automation, and Control Systems Technology; Control of Infinite Dimensional Systems; Geometric Control Theory and Applications

PAPER SUBMISSION:

Authors are cordially invited to submit full papers (4 to 6 pages) in PDF format. Please download the paper template and get more information about submission from the conference website. Upon acceptance, authors are required to register and present their papers at the conference. The paper that is not presented by the author at the conference will be excluded from distribution in IEEE Xplore®. Papers which make outstanding contributions to the relevant topics will be considered for the best paper awards.

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