



# 2025 ICEA

2025, Melbourne, Australia



LA TROBE UNIVERSITY

## 2025 INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND ITS EMERGING APPLICATION



KNOW MORE

### December 3 – 5, 2025

#### CALL FOR PAPERS

ICEA 2025 is dedicated to fostering the latest innovations and advancements in both Electrical Engineering and Computer Science. The conference serves as a premier platform for researchers, engineers, and industry experts to share groundbreaking ideas, novel methodologies, and transformative technologies shaping the future of these disciplines.

In the realm of Computer Science, ICEA 2025 will highlight key developments in artificial intelligence, machine learning, cybersecurity, quantum computing, and high-performance computing. Participants will have the opportunity to engage in dynamic discussions, present their findings, and collaborate with leading experts across academia and industry.

**Proceedings from the ICEA conferences in 2023 and 2024 have been published in the ACM Digital Library.**

#### CONFERENCE TRACKS

##### Track 1: Artificial Intelligence & Machine Learning

- Deep Learning and Neural Networks
- Reinforcement Learning
- AI for Edge Computing
- Explainable AI (XAI)
- Natural Language Processing

##### Track 3: Smart Grids & Energy Systems

- Decentralized Energy Trading
- Microgrid Optimization
- Renewable Energy Forecasting
- Electric Vehicle Integration
- Energy Storage Systems

##### Track 5: 5G/6G Networks & Edge Computing

- 5G and Beyond
- Edge-AI Integration
- Network Virtualization
- Massive MIMO Systems
- Cloud-Edge Continuum

##### Track 2: Cybersecurity & Privacy

- Blockchain for Security
- IoT and Smart Grid Security
- Cryptographic Techniques
- Privacy-Preserving Machine Learning
- AI for Threat Detection

##### Track 4: Quantum Computing

- Quantum Machine Learning
- Quantum Cryptography
- Optimization using Quantum Computing
- Quantum Communication Networks
- Quantum Software Development

##### Track 6: General Track

If your paper does not fit any of the tracks above. We encourage submissions of high-quality work even if it falls outside the specified topics.



##### Steering Chairs

Prof. Chun-Wei Tsai,  
Prof. Jong-Hyouk Lee

##### General Chair

Prof. Naveen  
Chilamkurti

##### General Co-Chairs

Prof. Gururaj Mirle  
Vishwanath

##### Program Chairs

Prof. Ankush Sharma,  
Prof. Suyel Namasudra,  
Prof. Partha Pratim Roy

##### Publicity Chairs

Prof. Ahmad Salehi  
Shahraki

##### Local Arrangement Chairs

Mayank Arora

##### Financial Chair

Prof. Deepak Kumar

##### Social Media Coordinator

Ziqiang Xu

#### ABOUT MELBOURNE



Melbourne is Australia's vibrant cultural capital, celebrated for its eclectic arts and music scenes, world-renowned coffee culture, and picturesque Yarra River promenade. With its iconic laneways, diverse culinary offerings, and a calendar packed with festivals and sporting events, Melbourne provides an enriching backdrop for both professional engagement and leisure. Efficient public transport links and nearby natural escapes like the Dandenong Ranges ensure delegates can explore the city's best offerings during their visit.

#### IMPORTANT DATES

Submission Due Date  
July 6, 2025

Notification of Acceptance  
August 30, 2025

Early Registration Deadline  
October 15, 2025

#### CONTACT US

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