

**The 16th International Conference on  
Genetic and Evolutionary Computing  
(ICGEC-2024)**

August 28-29, 2024, Miyazaki, Japan

**Special Session on Emerging Technologies for Infrastructure and  
Computing: Pioneering the Future  
Call for Papers**

**Organizers:** Prof. Saw Sanda Aye

In this session, we'll delve into a diversity of groundbreaking technologies revolutionizing to build, manage, and optimize infrastructure and computing systems. From AI-driven automation and edge computing to quantum computing and blockchain, our expert reviewers will illuminate the transformative potential of these cutting-edge tools.

AI-Driven infrastructure optimization tends to learn how artificial intelligence and machine learning are revolutionizing infrastructure management, enabling predictive maintenance, resource optimization, and enhanced security. Moreover, the edge computing and IoT explore the paradigm shift towards edge computing and its implications for infrastructure development, including real-time data processing, reduced latency, and scalable deployments for IoT applications. In addition, quantum computing revolution delve into the groundbreaking advancements in quantum computing and their potential to revolutionize computational power, cryptography, and problem-solving across various industries. On the other hands, the blockchain in infrastructure discover how blockchain technology is reshaping the infrastructure landscape, facilitating secure and transparent transactions, supply chain management, and decentralized systems.

Topics of interest include but are not limited to the following.

- Infrastructure Automation
- AI-Driven Infrastructure Optimization
- Quantum Computing Revolution
- Big Data Computing
- Machine Learning
- Blockchain

**Submissions:** Papers should follow the template announced on the official ICGEC-2024 conference website (<https://icgec24.github.io/>) and be submitted via email to session organizer Prof. Saw Sanda Aye (sawsanda@uit.edu.mm).

### **Conference Proceeding Information:**

The conference proceedings will be published in the book series of Lecture Notes in Electrical Engineering by Springer. Normally, papers in this series are indexed by EI and Scopus.

**Important Dates:** (If ICGEC-2024 extends the dates, follow those dates announced on the website)

Paper submission deadline: **June 6, 2024 (Final Extension)**

Acceptance notification: **June 30, 2024**

Camera-ready paper due: **July 8, 2024**

Early bird registration deadline: **July 8, 2024**

### **For more information:**

Please visit the ICGEC-2024 official websites <https://icgec24.github.io/> or contact the organizers of this invited session:

Prof. Saw Sanda Aye  
Rector, University of Information Technology, Myanmar.  
Email: sawsanda@uit.edu.mm