

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

August 28-29, 2024, Miyazaki, Japan

## **Special Session on AIoT Technology and Applications Call for Papers**

**Organizers:** Prof. Tien-Wen Sung, Prof. Liang-Cheng Shiu, and Prof. Chao-Yang Lee

Artificial Intelligence of Things (AIoT) has become a hot topic that combines two of the hottest acronyms, AI (Artificial Intelligence) and IoT (Internet of Things). IoT consists of interconnected things with built-in sensors and has the potential to generate or collect a vast amount of data. Individual IoT systems can be integrated into a large-scale system for various modern applications. With that comes a lot of collected or real-time data, an intelligent and efficient data processing is essential to make effective use of the information generated from these data. The data can be analyzed and utilized with AI for problem-solving or decision-making. Without AI, IoT would have limited value. AI can multiply the value of IoT; conversely, IoT can promote the learning and intelligence of AI. This invited session discusses recent advances in AIoT technology and applications. Submissions of high-quality papers describing mature results or on-going work are invited.

### **Topics of interest include but are not limited to the following:**

1. AIoT for smart city and city brain
2. Wireless sensor networks for AIoT
3. Machine learning and deep learning for AIoT
4. Cloud, edge, fog, and dew computing for AIoT
5. Telecommunication and network technology for AIoT
6. Mobile computing and Location-Based Services (LBS) for AIoT
7. Security and privacy in AIoT
8. AIoT-based innovative applications and services

### **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. Tien-Wen Sung ([tienwen.sung@gmail.com](mailto:tienwen.sung@gmail.com)).

### **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: **May 31, 2024 (Extended)**

Acceptance notification: **June 10, 2024**

Camera-ready paper due: **June 17, 2024**

Early bird registration deadline: **June 17, 2024**

**For more information:**

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

Prof. Tien-Wen Sung

College of Computer Science and Mathematics

Fujian University of Technology, China

Email: [tienwen.sung@gmail.com](mailto:tienwen.sung@gmail.com)

Prof. Liang-Cheng Shiu

Department of Computer Science and Information Engineering

National Pingtung University, Taiwan

E-mail: [shiu@mail.nptu.edu.tw](mailto:shiu@mail.nptu.edu.tw)

Prof. Chao-Yang Lee

Department of Computer Science and Information Engineering

National Yunlin University of Science and Technology, Taiwan

E-mail: [chaoyang@yuntech.edu.tw](mailto:chaoyang@yuntech.edu.tw)