

# ICGEC-2024 CALL FOR PAPER

## The 16th International Conference Genetic and Evolutionary Computing

August 28-29, 2024  
Miyazaki, Japan

### Chairs

#### Honorary Chairs

- Tatsuo Suganuma, University of Miyazaki, Japan
- Tsuyomu Ikenoue, Kyushu University of Medical Science, Japan
- Jeng-Shyang Pan  
Nanjing University of Information Science & Technology, China

#### Advisory Committee Chairs

- Hiromitsu Hama, Osaka Metropolitan University, Japan
- Peng Shi, University of Adelaide, Australia
- Toshiaki Itami, Fukuyama University
- Etsuo Chosa, University of Miyazaki
- Pyke Tin, University of Miyazaki, Japan

#### Conference Chairs

- Hiroshi Sameshima, University of Miyazaki, Japan
- Jerry Chun-Wei Lin  
Western Norway University of Applied Sciences, Norway

#### Program Committee Chairs

- Thi Thi Zin, University of Miyazaki, Japan
- Hiroki Tamura, University of Miyazaki, Japan
- Chin-Shiuh Shieh  
National Kaohsiung University of Science and Technology, Taiwan
- Yu-Cheng Fan, National Taipei University of Technology, Taiwan

#### Invited Session Chairs

- Tetsuya Shimamura, Saitama University, Japan
- Mong-Fong Horng,  
National Kaohsiung University of Science and Technology, Taiwan
- Chutima Tantikitti, Prince of Songkla University, Thailand
- Raja Sudhakaran, Vellore Institute of Technology, India
- Tien-Wen Sung, Fujian University of Technology, China
- Chih-Peng Fan, National Chung Hsing University, Taiwan

#### Publication Chairs

- Thi Thi Zin, University of Miyazaki, Japan
- Shu-Chuan Chu,  
Shandong University of Science and Technology, China

#### Local Organizing Chairs

- Keisuke Murakami, University of Miyazaki, Japan
- Hisaaki Yamaba, University of Miyazaki, Japan
- Cho Nilar Phyo, University of Miyazaki, Japan

### Conference Venue

MIYAZAKI KANKO HOTEL  
1-1-1 Matsuyama, Miyazaki City, Miyazaki, 880-8512, Japan

We invite submissions of original research papers for the conference tracks.  
Topics of interest include, but not to limited to:



#### Genetic Computing

- Genetic Algorithm & Programming
- Genetics-based Machine Learning and Learning Classifier Systems
- Genetic programming performance and behavior
- Hybrid architectures including genetic programming component



#### Grid Computing

- Grid Management and Task Schedule
- Grid Trust and Security
- Distributed and Parallel Computing
- Distributed Intelligent Processing
- Peer-to-Peer Architecture
- Big Data Analysis and Computing



#### Intersection of Medical Technology, AI, IOT, and Big Data Analysis in Healthcare

- Artificial Intelligence theory and practice
- Medical technologies and applications
- Integration of Internet of Things (IoT) and applications
- IoT-enabled medical devices for remote patient monitoring
- Big Data Analytics for Healthcare



#### Evolutionary Computing in DX

- Swarm Intelligence and Optimization
- Artificial Intelligence and Decision Support Systems
- Information Fusion and Data mining
- Intelligent Database Systems
- Evolutionary Design and Application
- Evolutionary of tree or graph structures
- Evolutionary Combinational and Multiobjective Optimization
- Evolutionary Strategies, Programming
- Evolutionary Scheduling and Routing
- Bio-informatics, Computational Biology



#### Image Processing and Computer Vision

- Image and Video Analysis
- Pattern Recognition, Deep Learning
- Robot Vision and Action Recognition
- Novel Image Feature Extraction
- Image Understanding and Analysis
- Image Segmentation and Classification
- Biometric Authentication System
- Face and Gesture Recognition System
- Gait Recognition System
- Vision-based Monitoring System
- Multimedia and Applications

### Publication

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. The excellent papers presented in ICGEC 2024 will be recommended to the SCI indexed journals.

### Paper Submissions

For detailed paper format and submission instructions, please visit the conference website: <https://icgec24.github.io>

### Important Dates

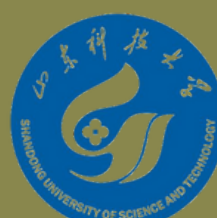
Paper submission deadline:	June 6, 2024 (Final Extension)
Invited session application deadline:	May 30, 2024 (Final Extension)
Acceptance notification:	June 30, 2024
Camera-ready papers due:	July 8, 2024
Early bird registration deadline:	July 8, 2024

### Contact Us

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