

ICGEC-2024 CALL FOR PAPER

The 16th International Conference Genetic and Evolutionary Computing

August 28-29, 2024
Miyazaki, Japan



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- Hisao Yamada, University of Miyazaki, Japan
- Cho Nilar Phyo, University of Miyazaki, Japan

Contact Us

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Conference Venue

MIYAZAKI KANKO HOTEL

1-1-1 Matsuyama, Miyazaki City, Miyazaki, 880-8512, Japan

Important Dates

Paper submission deadline:	May 31, 2024 (Extended)
Invited session application deadline:	April 30, 2024 (Extended)
Acceptance notification:	June 10, 2024
Camera-ready papers due:	June 17, 2024
Early bird registration deadline:	June 17, 2024

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

Genetic Computing

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

Grid Computing

- Grid Resource 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 Insights

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 and 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 and published in ICGEC 2024 will be recommended to the following special issues (SCI) with more than 60% extension.

1. Applied Science-Basel (SCI, IF: 2.474)

Special Issue: Integrated Artificial Intelligence in Data Science

https://www.mdpi.com/journal/applsci/special_issues/AI_Data_Science

2. Mathematical Biosciences and Engineering (SCI, IF: 1.285)

Special Issue: Recent Advancements in Cognitive Green Computing for Smart Cities

<https://www.aimspress.com/mbe/article/5914/special-articles>

3. Journal of Internet Technology (SCI, IF: 1.3)

Special Issue: Current Trends and the Future of Internet of Things (IoT) in Industry and Enterprise <https://jit.ndhu.edu.tw/announcement/view/47>

4. Electronics (SCI, IF: 2.9)

Special Issue: Green Communications and Networks

https://www.mdpi.com/journal/electronics/special_issues/TNB4X30IB5

Paper Submissions

Papers reporting original and unpublished research results on the above and related topics are solicited. For detailed paper format and submission instructions, please visit the conference website: <https://icgec24.github.io>



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