

# The 14th International Conference on Genetic and Evolutionary Computing

October 06-08, 2023, Kaohsiung, Taiwan

## CALL FOR PAPERS



### Honorary Chairs

Vaclav Snasel, Technical University of Ostrava, Czech Republic  
Jeng-Shyang Pan, Shandong University of Science and Technology, China

### Advisory Committee Chairs

Tien chin Wang, National Kaohsiung University of Science and Technology, Taiwan

### Conference Chairs

Jerry Chun-Wei Lin, Western Norway University of Applied Sciences, Norway  
Mong-Fong Horng, National Kaohsiung University of Science and Technology, Taiwan  
Zhi Geng Pan, Nanjing University of Information Science and Technology

### Program Committee Chair:

Chin-Shiuh Shieh, National Kaohsiung University of Science and Technology, Taiwan  
Shu-Chuan Chu, Shandong University of Science and Technology, China  
Rajesh K Shukla, Oriental Institute of Science and Technology, India  
Gautam Srivastava, Brandon University, Canada

### Invited Session Chairs

Jimmy Ming-Tai Wu, National Kaohsiung University of Science and Technology, Taiwan  
Shih-Pang Tseng, Changzhou College of Information Technology, China  
Tien Wen Sung, Fujian University of Technology, China  
Yendeng Huang, Changzhou College of Information Technology, China

### Publication Chairs

Pei Hu, Shandong University of Science and Technology, China

### Local Organization Chairs

Shi-Huang Chen · Shu-Te University, Taiwan  
Tien Szu Pan, National Kaohsiung University of Science and Technology, Taiwan

### Finance Chairs

Yun-Chi Huang, Taiwan Ubiquitous Information CO., LTD.

### Program Committee

Stefania Tomasiello, University of Tartu Estonia, Estonia  
Vo Bay, Ho Chi Minh City University of Technology, Vietnam  
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Jaroslav Frnda University of Zilina, Slovakia  
Vicente Garcia Diaz University of Oviedo, Spain  
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Ming Chang Lee, Western Norway University of Applied Sciences, Norway  
Ji Zhang, University of Southern Queensland, Australia  
Keping Yu, Hosei University, Japan  
Muhammad Aleem, National University of Computer and Emerging Sciences, Pakistan  
Ko-Wei Huang, National Kaohsiung University of Science and Technology, Taiwan

### 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 2023 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](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>

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

#### Track I: 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

#### Track II: Evolutionary Computing

- - Evolutionary Design and Application
- - Evolutionary of tree or graph structures
- - Evolutionary Combinational and Multi-Objective Optimization
- - Evolutionary Strategies, Evolutionary Programming
- - Evolutionary Scheduling and Routing
- - Bioinformatics and Computational Biology

#### Track III: Intelligent Computing

- - Swarm Intelligence and Optimization
- - Ant Colony Optimization and Swarm Intelligence
- - Artificial Intelligence and Decision Support Systems
- - Intelligent Information Fusion and Data mining
- - Intelligent Database Systems
- - Knowledge Discovery and Management
- - Neural Networks and its Applications
- - Pattern Recognition and Self-Adaptation Techniques
- - Intelligent Computer Vision and Scientific Visualization
- - Application of Data Science

#### Track IV: Grid Computing

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

### 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: <http://bit.nkust.edu.tw/~icgec23/>



Important Dates

Paper submission deadline	
Invited session application deadline	
Acceptance notification	
Camera-ready papers due	

Contact Us

Visit the conference website for each specific call and additional news:

<http://bit.nkust.edu.tw/~icgec23/>

Email: