The 17th International Conference on
Genetic and Evolutionary Computing
(ICGEC-2025)

December 18-19/22-23 2025, Fuzhou/Nanyang, China

Special Session on Latest Theories, Research, and Applications in Computational Optimization

Organizers: Dr. Zheng Zhang and Dr. Pei Hu

Dear Colleagues,

We are delighted to invite you to submit your original research to the Special Issue of "**Latest Theories, Research, and Applications in Computational Optimization**". This Special session aims to showcase cutting-edge research that advances the theory, methodology, and practical applications of computational optimization, providing an international platform for scholars, practitioners, and early-career researchers to share innovative ideas and solutions.

We invite researchers, academicians, industry professionals, and practitioners to submit their original research papers related to the following topics of interest, although submissions covering other relevant areas are also encouraged. Authors are encouraged to present their novel research, methodologies, case studies, and applications in computational optimization.

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

1. Novel optimization algorithms, metaheuristics, and hybrid methods.

2. Multi-objective, dynamic, stochastic, and robust optimization.

3. Applications of optimization in AI, machine learning, data science, and deep learning.

4. Real-world applications in engineering, logistics, healthcare, finance, energy, and smart systems.

5. High-performance, parallel, and distributed optimization techniques.

6. Benchmarking, performance analysis, and comparative studies.

Submissions:

Papers should follow the template announced on the official ICGEC-2025 conference website (https://icgec25.github.io/) and be submitted via https://cmt3.research.microsoft.com/ICGEC2025.

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-2025 extends the dates, follow those dates announced on the website)

Paper submission deadline: **September 1, 2025 (Final Extension)**

Acceptance notification: ~~**September 30, 2025**~~

Camera-ready paper due: **November 25, 2025**

Early bird registration deadline: **November25, 2025**

We look forward to receiving your submissions and to engaging in insightful discussions at the 17th International Conference on Genetic and Evolutionary Computing (ICGEC-2025) in Fuzhou/Nanyang, China.

For more information:

Please visit the ICGEC-2025 official websites https://icgec25.github.io/ or contact the organizers of this invited session:

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