

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

August 28-29, 2024, Miyazaki, Japan

Special Session on Advanced Meta-Heuristic Optimization Algorithms and Applications

Call for Papers

Organizers: Prof. Shu-Chuan Chu, Dr. Pei Hu, Dr. Pei-Cheng Song, Prof. Jeng-Shyang Pan

This invited session will discuss traditional metaheuristic algorithms, such as Particle Swarm Optimization (PSO), Differential Evolution (DE), Genetic Algorithm (GA) and Ant Colony Optimization (ACO). It also receives the latest research and new algorithms from this direction. Contributions discussing image processing and machine learning applications of these algorithms are warmly welcomed. This special session provides an international forum for researchers and specialists from the field of merging techniques and their applications. Although particular attention will be given to the above theme areas, it should be stressed that a broad range of submissions is encouraged. Subject Coverage (Topics of interest include but are not limited to the following):

1. Advanced metaheuristic algorithms for image processing and digital watermarking.
2. New metaheuristic algorithms or findings.
3. Metaheuristic algorithms for QR Code.
4. Metaheuristic algorithms for machine learning.
5. Metaheuristic algorithms for engineering applications.
6. Metaheuristic algorithms for large-scale problems.
7. Metaheuristic algorithms for dynamic/multi-task multi-objective.
8. Metaheuristic algorithms for parallel processing.
9. Computational Intelligence Algorithms and Applications.

Submissions:

Prospective authors are invited to submit original, unpublished research papers. Submissions should be formatted according to the conference's guidelines and submitted through the conference submission system. All submissions will undergo a rigorous double-blind peer review process, evaluating them for their originality, technical and/or research content, relevance to the special session theme, and readability.

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: **June 6, 2024 (Final Extension)**

Acceptance notification: **June 30, 2024**

Camera-ready paper due: **July 8, 2024**

Early bird registration deadline: **July 8, 2024**

For more information:

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

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