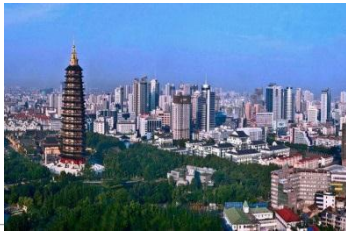


# The 12th International Conference on Genetic and Evolutionary Computing (ICGEC 2018)

December 14-17, 2018 / Changzhou Jiangsu, China

**CALL FOR PAPERS**



## Honorary Chairs

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ICGEC 2018 is the 12th International Conference on Genetic and Evolutionary Computing. The aim of this conference is to provide an internationally respected forum for scientific research in the broad area of Genetic Computing (GC) and Evolutionary Computing (EC), and all associated applications of GC and EC. We sincerely invite submissions of papers presenting high-quality original research and development.

Topics of interest include, but not to limited to:

### Topic 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

### Topic 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

### Topic 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

### Topic 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Papers reporting original and unpublished research results on the above and related topics are solicited.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://icgec2018.ccit.js.cn/>

## Important Dates

Paper submission deadline	Aug. 1, 2018
Invited session application deadline	Aug. 10, 2018
Acceptance notification	Aug. 30, 2018
Camera-ready papers due	Sept. 20, 2018

## Publications

All accepted papers will be published in the conference proceedings, which will be published by Springer in the series of Advances in Intelligent Systems and Computing (AISC, EI). Selected papers of the conference will be invited for further extensions and after peer-review, will be published in a Special Issue of Journal of Information Hiding and Multimedia Signal Processing (JIHMSP, EI) or Data Science and Pattern Recognition (DSPR) journal.

