

The Eighth International Conference on Genetic and Evolutionary Computing (ICGEC 2014)

<http://icgec.nit.edu.cn/>

Special Session--Nature Inspired Constrained Optimization

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In their original versions, nature-inspired algorithms for optimization such as evolutionary algorithms (EAs) and swarm intelligence (SI) are designed to sample unconstrained search spaces. Therefore, a considerable amount of research has been dedicated to adapt them to deal with constrained search spaces. The objective of the session is to present the most recent advances in constrained optimization using different nature-inspired techniques. The topics include, but not limited to, the following:

- Novel constraint-handling techniques
- Novel/adapted search-engines for constrained optimization
- Memetic algorithms in constrained search spaces.
- Parameter adaptation in constrained optimization
- Mixed (discrete-continuous) constrained optimization.
- Theoretical analysis and complexity of algorithms in constrained optimization.
- Performance evaluation of algorithms in constrained optimization.
- Constraint-handling techniques in multi and many-objective optimization
- Dynamic constraint-handling
- Design of difficult and scalable test functions
- Applications.

Submission Guidelines

The ICGEC 2014 organizing committee is inviting the submission of papers that present high quality, original, and not previously published work in the related areas. All submissions will be thoroughly peer-reviewed by multiple reviewers to ensure quality and unbiased comments. All papers should be submitted to through the

[Online Submission System:](#)

http://bit.kuas.edu.tw/paper_management/submission/login.php?conf_alias=icgec14

For more detail information, please visit the website of ICGEC 2014 (<http://icgec.nit.edu.cn/>).