SSCI 2007 - Computational Intelligence in Paradise!

www.ieee-ssci.org

April 1-5, 2007
Hilton Hawaii Village Resort
Honolulu, HI, USA

2007 IEEE Symposium Series on Computational Intelligence (SSCI 2007)

Registration to CISched 2007 allows access to:
First IEEE Symposium on Computational Intelligence in Image and Signal Processing
First IEEE Symposium on Computational Intelligence in Multicriteria Decision Making
First IEEE Symposium on Computational Intelligence in Data Mining
First IEEE Symposium on Computational Intelligence in Scheduling
2007 IEEE Symposium on Computational Intelligence in Bioinformatics and Computational Biology (CIBCB)
2007 IEEE Swarm Intelligence Symposium (SIS)
First IEEE Symposium on Artificial Life
and more (there are 12 symposia)

Sponsored by:

IEEE — IEEE Computational Intelligence Society

2007 IEEE Symposium on Computational Intelligence and Scheduling (CISched 2007)
http://www.cs.nott.ac.uk/~rxq/cis/CIS2007.htm

SSCI 2007
General Chair: David Fogel, Natural Selection, Inc., *USA*
Honorary Chair: Evangelia Micheli-Tzankou, Rutgers University, USA
Finance Chair: Mohamed El-Sharkawi, University of Washington, USA
CISched 2007
Co-Chairs: Edmund Burke, Graham Kendall, Stephen Smith, Kay Chen Tan
Publicity/Web Chair: Rong Qu, Proceedings Chair: Dipti Srinivasan

Important Dates

Special Session Proposals: July 30, 2006
Paper Submission: October 31, 2006
Notification of Acceptance: November 30, 2006
Camera-Ready Submission: January 15, 2007

Call for Contributed Papers

This symposium aims to bring together leading researchers and practitioners in computational intelligence and scheduling. Scheduling problems are often not amenable to be being tackled by exact approaches due to the huge search spaces that have to be explored. Therefore we often resort to techniques which fall under the term of *Computational Intelligence*. These can include Evolutionary Computation, Neural Networks, Fuzzy Logic etc. This symposium aims to explore recent advances in this area. Topics include, but are not limited to, the following:

- Computational Intelligence in:
  o Course and Examination Timetabling
  o Commercial Scheduling packages
  o Employee Scheduling
  o Production Scheduling
  o Sports Scheduling
  o Transport Scheduling
- Complexity Issues
- Comparison of Techniques (e.g. compare Neural Networks with Fuzzy Logic or comparison of a meta-heuristic approach with a CI approach)
- Interactive Scheduling using Computational Intelligence
- Experiences of CI within Scheduling
- Case Studies
- Theoretical or empirical analysis of evolutionary algorithms and representations

Call for Special Sessions

CISched 2007 also solicits proposals for special sessions within the scope of the symposium Papers submitted to special sessions are to be peer-reviewed with the same criteria used for the contributed papers. Researchers interested in organising a special session are invited to submit a proposal to Graham Kendall (gxk@cs.nott.ac.uk). The proposal should include the session title, a brief description of the scope, a list of potential authors that might submit papers to the special session, and brief biographies of the special session organisers.

Paper Submission

Prospective authors are invited to submit papers of no more than eight (8) pages including results, figures and references. Authors should submit their papers as PDF through the online submission system, which will be available at the website http://www.ieee-ssci.org. The title page of the paper should include author name(s), affiliation, mailing address, telephone, fax, and e-mail address. At least one author is expected to register at the symposium and present their paper.

Inquiries

For general inquiries of SSCI 2007, contact General Chair David Fogel at dfogel@natural-selection.com. For CISched 2007 enquires, please contact Graham Kendall at gxk@cs.nott.ac.uk.