MCDM 2007 — *Computational Intelligence in Paradise!*
www.ieee-ssci.org

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

Sponsored by:
IEEE · IEEE Computational Intelligence Society

2007 IEEE Symposium Series on Computational Intelligence (SSCI 2007)

Includes:

First IEEE Symposium on Computational Intelligence in Multicriteria Decision Making (MCDM 2007)
First IEEE Symposium on Computational Intelligence in Image and Signal Processing
2007 IEEE Symposium on Computational Intelligence and Games (CIG)
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

First IEEE Symposium on Computational Intelligence in Multicriteria Decision Making (MCDM 2007)

SSCI 2007
General Chair: David Fogel, Natural Selection, Inc., USA
Honorary Chair: Evangelia Micheli-Tzanakou, Rutgers University, USA
Finance Chair: Mohamed El-Sharkawi, University of Washington, USA

MCDM 2007
Co-Chairs: Piero Bonissone, General Electric Global Research, USA
                Carlos Coello Coello, CINVESTAV-IPN, Mexico
                Yaochu Jin, Honda Research Institute Europe, Germany
Publicity Chair: Gary Yen, Oklahoma State University, USA

Important Due Dates

Special Session Proposals:	**October 1, 2006**
Paper Submission:	**November 1, 2006**
Notification of Acceptance:	**December 1, 2006**
Camera-Ready Submission:	**January 15, 2007**

Call for Contributed Papers

The aim of the annual IEEE Symposium on Computational Intelligence in Multicriteria Decision Making (MCDM 2007) is to bring together engineers, scientists and students from around the world to discuss the latest advances in the field of computational intelligence applied to issues in multicriteria decision making. Topics covered include applications of computational intelligence technologies, such as neural networks, fuzzy systems, evolutionary computation, and other emerging techniques in the following or similar areas:

- **Multiobjective Search/Optimization (MOO):**
  - Multiobjective Evolutionary Algorithms
  - Meta-Heuristics (Scatter and Tabu Search)
  - Particle Swarm Optimization
  - Ant Colonies, Bacteria Optimization, Other Search Methods
- **Multiobjective Machine Learning (ML):**
  - Accuracy-interpretability, Stability-plasticity dilemma
  - Pareto-based ensemble generation
- **Decision Making (DM) Techniques:**
  - Preference Elicitation and Representation
  - Aggregation/Tradeoff Operators & Algorithms
  - Fuzzy Logic based DM techniques
  - Bayesian and Other DM techniques
- **Interactive Visualization (IV):**
  - Progressive Aggregation Methods
  - Decision Maker in the Loop
- **Integration of MOO, ML, DM, and IV to support Multicriteria Decision Making**

Additional information about MCDM 2007 can be found at:
www.ieeecis-multidecision.org

Call for Special Sessions

MCDM 2007 also solicits proposals for special sessions within the technical scope of the symposium, generally focusing on a special hot topic. Papers submitted to special sessions are to be peer-reviewed with the same criteria used for the contributed papers. Researchers interested in organizing a special session are invited to submit a proposal to the Special Session Chair, Dr. Raj Subbu, at Subbu@crd.ge.com . Special session 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 bios of the special session organizers.

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. Prospective authors are expected to present their paper at the symposium.

Inquiries

For general inquiries of SSCI 2007, contact General Chair David Fogel at dfogel@natural-selection.com. For MCDM 2007 inquires, contact one of the Symposium Co-Chairs:
- Piero Bonissone, at bonissone@crd.ge.com
- Carlos Coello Coello, at coello@delta.cs.cinvestav.mx
- Yaochu Jin, at Yaochu.Jin@honda-ri.de