

**Special Session on Differential Evolution**  
**IEEE Congress on Evolutionary Computation, Trondheim, May 18-21, 2009**

Special Session Chair:  
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**Call for Papers**

Differential evolution, an attractive global optimization method with relatively fewer parameters, is a relatively new member of the evolutionary computation family. This method has recently been shown to produce superior results in a wide variety of real-world applications. This special session seeks to highlight the latest developments in this rapidly emerging research area by bringing together researchers and practitioners. Authors are invited to submit their original and unpublished work to this Special Session. Topics of interest include, but are not limited to:

- Theory of differential evolution
- Analysis of parameter settings (scale factor, crossover rate, population size)
- Multi-objective differential evolution
- Differential evolution for noisy problems
- Differential evolution for constrained optimization
- Hybridization (with local search and other soft computing approaches)
- Connections to / comparison with particle swarm optimization
- Connections to other soft computing paradigms (e.g., ANN, Fuzzy systems)
- Applications in diverse domains

**Post-conference journal/book publication**

Authors of selected papers from among those accepted for the differential evolution session will be invited to submit enhanced and substantially improved versions for review for possible publication in the journal *New Mathematics & Natural Computation* (World Scientific) or as chapters in an edited book.

**Paper submission**

Paper submission procedures, deadlines, the review process, and publication in the conference proceedings for papers submitted to this special session are the same as those for general submissions (please see the "submission" page of the CEC-2009 web site for page restrictions, formatting, and other details). While submitting your paper online, please choose "Differential Evolution" as the special session.

**Important dates**

- Paper submission: November 1, 2008
- Notification of acceptance/rejection: January 16, 2009
- Camera-ready paper submission: February 16, 2009