

# IEEE Congress on Evolutionary Computation

May 18 – 21, 2009, Trondheim, Norway

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## Parallel Bio-inspired Optimisation Methods: Algorithms and Applications

This special session invites papers discussing recent advances in the development and application of biologically-inspired optimisation algorithms to the field of computational science. The emphasis is on developing techniques and procedures that are particularly suited to parallel and grid computing. We encourage submission of papers describing new concepts and strategies, and systems and tools providing practical implementations, including hardware and software aspects for parallel architectures. In addition, we are interested in application papers discussing the power and applicability of these parallel methods to real-world problems in both well-established areas, such as computational engineering, and emerging fields such as computational biology.

### CALL FOR PAPERS

You are invited to submit a paper with unpublished original work for this special session at CEC 2009. The topics are, but not limited to:

- Parallel Algorithms and Metaheuristics
- Optimisation Algorithms in Grids
- Interactive Optimisation in Grids
- Multi-objective optimisation algorithms
- Architectural aspects of parallel approaches
- Parallel exact optimisation methods
- Real-world applications and benchmark problems
- Performance measures
- Adaptation, learning, and anticipation
- Hybrid approaches
- Network issues, load balancing and fault tolerance
- Optimisation in dynamic environments

### ORGANISING COMMITTEE

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### IMPORTANT DATES

Papers due November 1, 2008  
Paper acceptance January 16, 2009  
Camera ready papers due February 16, 2009

### WEB SITE

<http://eresearch.griffith.edu.au/workshops/CEC09/>

Instructions for authors will be available at:  
<http://www.cec-2009.org/submission.shtml>

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