



*Thursday, 20 May 2010*

**09:30-11:00** conference opening (*Bogdan Filipič*)  
and invited talk (*session chair: Jurij Šilc*)

A Brief Survey on Hybrid Metaheuristics  
*Christian Blum* (*Technical University of Catalonia, Barcelona*)

**11:00-11:30** coffee break

**11:30-13:00** session A (*session chair: Jari Kyngäs*)

Parallel Differential Evolution for Simulation-Based Multiobjective Optimization of a Production Process

*Matjaž Depolli, Erkki Laitinen, Bogdan Filipič*

Parallel Differential Evolution with Endemic Randomized Control Parameters

*Matthieu Weber, Ferrante Neri, Ville Tirronen*

The Multi-Objective Distinct Candidates Optimization Approach

*Rasmus K. Ursem, Peter Dueholm Justesen*

**13:00-14:30** conference lunch

**14:30-15:30** session B (*session chair: Wolfgang Konen*)

Preference-Based Multi-Objective Distinct Candidate Optimization

*Peter Dueholm Justesen, Rasmus Kjær Ursem*

Applications of Evolutionary Algorithms in Chemical Engineering: A Case Study on Fitting Sovova's Mass Transfer Model

*Dejan Hrnčič, Marjan Mernik, Maša Knez Hrnčič, Željko Knez*

**15:30-16:00** coffee break

**16:00-17:00** session C (*session chair: Ville Tirronen*)

Application of Memetic Algorithm in Production Planning

*Peter Korošec, Gregor Papa, Vida Vukašinović*

Days-Off Scheduling for a Bus Transportation Staff

*Jari Kyngas, Kimmo Nurmi*

**17:15-20:00** conference excursion

**20:00-22:00** conference dinner



*Friday, 21 May 2010*

**09:30-11:00 session D** (*session chair: Rasmus Kjær Ursem*)

Ancestry Tree as Base for Analysis of Exploration and Exploitation in Evolutionary Algorithms

*Matej Črepinšek, Marjan Mernik, Barbara Zadobovšek, Shih-Hsi Liu*

How slow is slow? SFA detects signals slower than the driving force

*Wolfgang Konen, Patrick Koch*

MFGA: a GA for Complex Real-World Optimization Problems

*Alessandro Turco, Carlos Kavka*

**11:00-11:30 coffee break**

**11:30-13:00 session E** (*session chair: Christian Blum*)

Self-Organizing Cognitive Architecture

*Oscar J. Romero Lopez*

Bioinspired Online Mathematics Learning

*Barbara Koroušić Seljak, Gregor Papa*

New Evidences on Variable Selection with Stochastic Optimization Algorithms

*Antonio Gargano*

**13:00-14:30 conference lunch**

**14:30-15:30 session F** (*session chair: Peter Korošec*)

Woody Plants Model Recognition By Differential Evolution

*Aleš Zamuda, Janez Brest, Borko Bošković, Viljem Žumer*

Component Decomposition in Parallel Differential Evolution

*Matthieu Weber, Ferrante Neri, Ville Tirronen*

**15:30-16:00 coffee break**

**16:00-17:00 session G** (*session chair: Marjan Mernik*)

Ant Colony Optimization for Broadcasting in Sensor Networks Under a Realistic Antenna Model

*Hugo Hernández, Christian Blum*

Parameter Estimation in an Endocytosis Model with Bioinspired Optimization Algorithms

*Katerina Tashkova, Peter Korošec, Jurij Šilc, Ljupčo Todorovski, Sašo Džeroski*