NIDISC 2013 Program

8:50 - 9:00 - NIDISC 2013 Opening

9:00 - 10:00 - NIDISC 2013 Keynote

• Energy-Aware Robust Resource Management for Parallel Computing Systems
  H.J. Siegel

10:00 – 10:30 - Coffee Break

10:30 - 11:50 - Session 1: Multi-Objective Optimization

• A Possibilistic framework for solving multi-objective problems under uncertainty: Definition of new Pareto optimality
  Bahri Oumayma, Ben Amor Nahla, El-Ghazali Talbi

• A Parallel Multiobjective Local Search for AEDB Protocol Tuning
  Santiago Iturriaga, Patricia Ruiz, Sergio Nesmachnow, Bernabé Dorronsoro, Pascal Bouvry

• Scalability Analysis of the Asynchronous Master-Slave Borg Multiobjective Evolutionary Algorithm
  David Hadka, Kamesh Madduri, Patrick Reed

• ShadObf: A C-source Obfuscator based on Multi-objective Optimisation Algorithms
  Benoit Bertholon, Sébastien Varrette, Sébastien Martinez

11:50 – 13:40 - LUNCH

13:40 – 15:00 – Session 2: Application of Bio-Inspired Algorithms

• Application of Evolutionary Algorithms to Maximum Lifetime Coverage Problem in Wireless Sensor Networks
  Antonina Tretyakova, Franciszek Seredynski

• Tree-Based Consensus Model for Proline Cis-Trans Isomerization Prediction
  Paul D. Yoo, Albert Y. Zomaya, Khalfan Alromaithi, Sara Alshamsi
- Multi-Segment Green Light Optimal Speed Advisory
  Marcin Seredynski, Wojciech Mazurczyk, Djamel Khadraoui

- The Lévy Particle Swarm Applied in an electrical power grid
  Ismail Boussaad, Frederic Heliodore, Serge Poullain, Eric Courbon, Amir Nakib, Patrick Siarry

15:00 - 15:30 – Coffee Break

15:30 – 16:30 - Session 3: Scheduling and Resource Allocation

- Optimal peer selection strategy in P2P-VoD systems using based Dynamic Evolution Strategy
  Thibaud Rohmer, Amir Nakib, Abdelhamid Nafaa

- Optimization of shared-memory multicore systems using Game Theory and Genetic Algorithms on Cellular Automata lattices
  Michail-Antisthenis I. Tsompanas, Christoforos Kachris, Georgios Ch. Sirakoulis

- Cost Minimization of Service Deployment in a Public Cloud environment
  Francois Legillon, Nouredine Melab, Didier Renard, El-Ghazali Talbi

16:30 - 16:40 - NIDISC 2013 Closing