

# NIDISC 2012 Program

**8 :30 - 8 :40 - NIDISC 2012 Opening**

**8 :40 - 10 :00 - Session 1 : Large-scale distributed systems**  
**Chair: Prof. El-Ghazali Talbi**

- **When Distributed Hash Tables Meet Chemical Programming for Autonomic Computing**  
*M. Obrovac, C. Tedeschi*
- **An efficient stochastic local search for heterogeneous computing scheduling**  
*S. Nesmachnow, F. Luna, E. Alba*
- **Using simulated annealing to find lower bounds of localization with noisy measurements**  
*F. Ahammed, J. Taheri and A. Zomaya*
- **The Necessity for Strong Reciprocators in Mobile Ad Hoc Networks**  
*M. Seredynski, G. Danoy, P. Bouvry*

**10 :00 – 10 :30 Coffee Break**

**10 :30 – 11 :30 – Session 2 : Hybrid Metaheuristics**  
**Chair: Prof. Franciszek Seredynski**

- **A Novel Approach for Regularized Signal Deconvolution Based on Hybrid Swarm Intelligence: Application to Neutron Radiography**  
*S. Saadi, A. Guessoum, M. Bettayeb*
- **Parallel Hybrid Metaheuristic for Multi-objective Biclustering in Microarray Data**  
*K. Seridi, L. Jourdan, E.G. Talbi*
- **Hybrid Differential Evolution using Low-Discrepancy Sequences for Image Segmentation**  
*A. Nakib*

**11 :30 – 13 :40 - LUNCH**

**13 :40 – 14 :40 - Session 3 : Metaheuristics Parallelization and Application**  
**Chair: Prof. Pascal Bouvry**

- **Parallel Simulated Annealing for Fragment Based Sequence Alignment**

*J.M. Correa, A.C.M.A. Melo, R.P. Jacobi, A. Boukerche*

- **Discovering Cellular Automata Rules for Binary Classification Problem with Use of Genetic Algorithm**

*A. Piwonska, F. Seredynski, M. Szaban*

- **Enhanced Parallel Cooperative Model for Trajectory Based Metaheuristics: A Scalability Analysis**

*G. Luque, F. Luna, E. Alba*

**14 :40 - 14 :50 - NIDISC 2012 Closing**