NIDISC 2010 Program

08:30-08:40 NIDISC 2010 Opening

08:40-10:00 Session 1: Application of bio-inspired algorithms

- **Evolving hybrid time-shuffled behavior of agents**
  P. Ediger, R. Hoffmann

- **Diagnosing permanent faults in distributed and parallel computing systems using artificial neural networks**
  M. Elhadef

- **CA-based generator of S-boxes for cryptography use**
  M. Szaban, F. Seredynski

- **Modeling memory resources distribution on multicore processors using games on cellular lattices**
  M-A. I. Tsompanas, G. Ch. Sirakoulis, I. Karafyllidis

10:00-10:30 Coffee break

10:30-11:30 Session 2: Parallel metaheuristics

- **pALS: An object oriented framework for developing parallel cooperative metaheuristics**
  A. Bernal, H. Castro

- **A new parallel asynchronous cellular genetic algorithm for scheduling in Grids**
  F. Pinel, B. Dorronsoro, P. Bouvry

- **Heterogeneous parallel algorithms to solve Epistatic problems**
  C. Salto, E. Alba

11:30-13:40 LUNCH

13:40-15:00 Session 3: Swarm Intelligence

- **Particle swarm optimization to solve the vehicle routing problem with heterogeneous fleet, mixed Backauls and time windows**
  F. Belmecheri, C. Prins, F. Yalaoui, L. Amodeo

- **Particle swarm optimization under fuzzy logic controller for solving a hybrid re-entrant flow shop problem**
  N. Yalaoui, L. Amodeo, F. Yalaoui, H. Mahdi

- **A survey on bee colony algorithms**
  S. Bitam, M. Batouche, E-G. Talbi

- **A bio-inspired coverage-aware scheduling scheme for wireless networks**
  X. Fei, S. Samarah, A. Boukerche