

PCO'11 Technical Program

Friday, May 20, 2011

8:50 - 9:00: Workshop Opening

Program Chair: Didier El Baz

9:00 - 10:00: Session I: Issues in Optimization of Parallel or Distributed Computing Systems

Session Chair: A. Gómez-Iglesias

- **On-Line Optimization of Publish/Subscribe Overlays**
E. Caron, B. Depardon, A. Datta, L. Larmore
- **Performance Optimization with Energy Constraint in Heterogeneous Multiple Computer Systems**
K. Li

10:00 -10:30 Break

10:30 - 12:00: Session II: Parallel Optimization Algorithms and Applications

Session Chair: Didier El Baz

- **A Parallel Exact Solver for the Three-Index Quadratic Assignment Problem**
F. Galea , B. Le Cun
- **Distributed Bees Foraging-Based Algorithm for Large-Scale Problems**
A. Gómez-Iglesias, F. Castejón, M. Vega-Rodríguez
- **Communication in Parallel Algorithms for Constraint-Based Local Search**
Y. Caniou, Ph. Codognet

12:00 - 1:00: Lunch (on your own)

1:00 - 2:00: Session III: Combinatorial Scientific Computing, Simultaneous Equations

Session Chair: B. Le Cun

- **Distributed-Memory Parallel Algorithms for Matching and Coloring**
Ü. Çatalyürek , F. Dobrian, A. Gebremedhin, M. Halappanavar, A. Pothen
- **Obtaining Simultaneous Equation Models through a unified shared-memory scheme of metaheuristics**
F. Almeida, D. Giménez, J. López-Espín

2:00 - 3:00: Session IV: New Trends in Parallel Computing for Linear Programming and Global Optimization

Session Chair: D. El Baz

- **Automated, Parallel Optimization Algorithms for Stochastic Functions**
D. Chahal, S. Stuart, S. Goasguen, C. Trout
- **Efficient Implementation of the Simplex Method on a CPU-GPU System**
M. Lalami, V. Boyer, D. El Baz