Workshop PCO'12, List of Accepted Papers

Session I: Combinatorial Scientific Computing

1569555733 Scalable Hybrid Implementation of Graph Coloring using MPI and OpenMP

Ahmet Erdem Sariyüce; Erik Saule; Ümit V. Catalyürek

1569553383 Three Matching Based Edge Coloring Algorithms

J. Paul Daigle; Sushil K. Prasad

Session II: Parallel Optimization Algorithms

1569547983 A Parallel BP Algorithm for the Discretizable Distance Geometry Problem

Warley Gramacho; Antonio Mucherino; Carlile Lavor; Nelson Maculan

1569546413 GPU Implementation of the Branch and Bound Method for Knapsack Problems

Mohamed Lalami; Didier J.F. El Baz

1569555729 Scalable Parallel Algorithms for Boundary Control of Thermally Convective Flows

Haijian Yang; Xiao-Chuan Cai

Session III: Parallel Metaheuristics

1569548177 Towards the Design of Systolic Genetic Search

Martín Pedemonte; Enrique Alba; Francisco Luna

1569553997 A Parallel Simulated Annealing Approach for the Mapping of Large Process Networks

François Galea; Renaud Sirdey

1569573067 Parallel Local Search for the Costas Array Problem

Daniel Diaz; Florian Richoux; Philippe Codognet; Yves Caniou; Salvador Abreu

Session IV: Issues in Optimization of Parallel or Distributed Systems

1569539509 Optimal Partitioning of a Multicore Server Processor

Keqin Li

1569553547 Reducing Cache Pollution of Threaded Prefetching by Controlling Prefetch Distance

Yan Huang; Zhi-min Gu; Jie Tang; Min Cai; Jianxun Zhang; Nhighan Zheng

1569547679 A Class of an Almost-Optimal Size-Independent Parallel Prefix Circuits

Hatem M El-Boghdadi