

EvoCOP 1 - Real World Applications, 11:30-13:10

Chaired by Francisco Chicano

1. Particle Swarm Optimization for Multi-Objective Web Service Location Allocation,
Boxiong Tan, Yi Mei, Hui Ma, Mengjie Zhang
2. Evaluating hyperheuristics and local search operators for periodic routing problems,
Yujie Chen, Philip Mourdjis, Fiona Polack, Peter Cowling, Stephen Remde
3. A Hybrid Constructive Mat-heuristic Algorithm for the Heterogeneous Vehicle Routing Problem with Simultaneous Pickup and Delivery,
Baris Kececi, Fulya Altiparmak, Imdat Kara
4. Modifying Colourings between Time-steps to Tackle Changes in Dynamic Random Graphs,
Bradley Hardy, Rhyd Lewis, Jonathan Thompson
5. An Evolutionary Approach to the Full Optimization of the Traveling Thief Problem,
Nuno Lourenço, Francisco B. Pereira, Ernesto Costa

EvoCOP 2 - Theoretical Studies, 14:15-15:55

Chaired by Gabriela Ochoa (to be confirmed)

1. Determining the Difficulty of Landscapes by PageRank Centrality in Local Optima Networks,
Sebastian Herrmann
2. A Property Preserving Method for Extending a Single-objective Problem Instance to Multiple Objectives with Specific Correlations,
Ruby L. V. Moritz, Enrico Reich, Matthias Bernt, Martin Middendorf
3. Efficient Hill Climber for Multi-Objective Pseudo-Boolean Optimization,
Francisco Chicano, Darrell Whitley, Renato Tinós
4. Evolutionary Algorithms for Finding Short Addition Chains: Going the Distance,
Stjepan Picek, Carlos A. Coello Coello, Domagoj Jakobovic, Nele Mentens
5. Limits to Learning in Reinforcement Learning Hyper-heuristics,
Fawaz Alanazi, Per Kristian Lehre

EvoCOP 3 - Methodologies, 16:15-17:45

Chaired by Christian Blum (to be confirmed)

1. Experimental Evaluation of Two Approaches to Optimal Recombination for Permutation Problems,
Anton V. Eremeev, Julia V. Kovalenko
2. Sim-EDA: A Multipopulation Estimation of Distribution Algorithm Based on Problem Similarity,
Krzysztof Michalak
3. Solving the Quadratic Assignment Problem with Cooperative Parallel Extremal Optimization,
Danny Munera, Daniel Diaz, Salvador Abreu
4. Construct, Merge, Solve & Adapt: Application to the Repetition-Free Longest Common Subsequence Problem,
Christian Blum, Maria J. Blesa

EvoCOP 4 - Best Paper Candidates, 11:30-13:00

Chaired by Bin Hu

1. Hyperplane Elimination for Quickly Enumerating Local Optima,
Brian W. Goldman, William F. Punch
2. Particle Swarm Optimisation with Sequence-Like Indirect Representation for Web Service Composition,
Alexandre Sawczuk da Silva, Yi Mei, Hui Ma, Mengjie Zhang
3. Deconstructing the Big Valley Search Space Hypothesis,
Gabriela Ochoa, Nadarajen Veerapen