EvoCOP conference programme

Thursday 20 April, room 1

1130-1310	**EvoCOP 1 : Neighborhoods and search strategies** **chair : Bin Hu** **Construct, Merge, Solve and Adapt versus Large Neighborhood Search for Solving the Multi-Dimensional Knapsack Problem: Which One Works Better When?** *Evelia Lizárraga, María J. Blesa, and Christian Blum* **A Hybrid Feature Selection Algorithm Based on Large Neighborhood Search** *Gelareh Taghizadeh, Nysret Musliu* **A Computational Study of Neighborhood Operators for Job-shop Scheduling Problems with Regular Objectives** Hayfa Hammami, Thomas Stützle **Efficient Consideration of Soft Time Windows in a Large Neighborhood Search for the Districting and Routing Problem for Security Control** *Bong-Min Kim, Christian Kloimüllner, Günther Raidl*
1310-1415	**Lunch**
1415-1555	**EvoCOP 2 : Theory and hyperheuristics** **chair: Gabriela Ochoa** **Sparse, Continuous Policy Representations for Uniform Online Bin Packing via Regression of Interpolants** *John H. Drake, Jerry Swan, Geoff Neumann and Ender Özcan* **Selection of Auxiliary Objectives Using Landscape Features and Offline Learned Classifier** *Anton Bassin, Arina Buzdalova* **Decomposing SAT Instances with Pseudo Backbones** *Wenxiang Chen, Darrell Whitley* **Towards Landscape-Aware Automatic Algorithm Configuration: Preliminary Experiments on Neutral and Rugged Landscapes** *Arnaud Liefooghe, Bilel Derbel, Sébastien Verel, Hernán Aguirre, Kiyoshi Tanaka*
1555-1615	**Coffee break**

EvoCOP conference programme

Thursday 20 April, room 1

1615-1745

EvoCOP 3 : Real-world applications and non-traditional problems

chair: Christian Blum

Multi-rendezvous Spacecraft Trajectory Optimization with Beam P-ACO
Luís F. Simões, Dario Izzo, Evert Haasdijk, A. E. Eiben

Optimizing Charging Station Locations for Electric Car-Sharing Systems
Benjamin Biesinger, Bin Hu, Martin Stubenschrott, Ulrike Ritzinger, Matthias Prandtstetter

Estimation of Distribution Algorithms for the Firefighter Problem
Krzysztof Michalak

A Genetic Algorithm for Multi-Component Optimization Problems: the Case of the Travelling Thief Problem
Daniel K. S. Vieira, Gustavo L. Soares, João A. Vasconcelos, and Marcus H. S. Mendes

Friday 21 April, room 1

0945-1115

EvoCOP 4 : Best Paper Candidates

chair : Manuel López-Ibáñez

LCS-Based Selective Route Exchange Crossover for the Pickup and Delivery Problem with Time Windows
Miroslaw Blocho, Jakub Nalepa

A memetic algorithm to maximise the employee substitutability in personnel shift scheduling
Jonas Ingels, Broos Maenhout

Understanding Phase Transitions with Local Optima Networks: Number Partitioning as a Case Study
Gabriela Ochoa, Nadarajen Veerapen, Fabio Daolio, Marco Tomassini

The Weighted Independent Domination Problem: ILP Model and Algorithmic Approaches
Pedro Pinacho Davidson, Christian Blum, and José A. Lozano