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PPSN 2014 was organized by the Department of Intelligent Systems and the Computer Systems Department of the Jožef Stefan Institute, Ljubljana, Slovenia. The Jožef Stefan Institute is the leading Slovenian institution for fundamental and applied research in natural sciences and technology.

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Workshops

Scaling Behaviors of Landscapes, Parameters and Algorithms

Ender Özcan and Andrew J. Parkes

Advances in Multimodal Optimization

Mike Preuss, Michael G. Epitropakis, and Xiaodong Li

Semantic Methods in Genetic Programming

Colin Johnson, Krzysztof Krawiec, Alberto Moraglio, and Michael O'Neill

In Search of Synergies Between Reinforcement Learning and Evolutionary Computation

Madalina M. Drugan and Bernard Manderick

Natural Computing for Protein Structure Prediction

José Santos Reyes, Gregorio Toscano, and Julia Handl

Workshop on Nature-Inspired Techniques for Robotics

Claudio Rossi, Nicolas Bredeche, and Kasper Stoy

Student Workshop on Bioinspired Optimization Methods and Their Applications – BIOMA 2014

Jurij Šilc and Aleš Zamuda

Tutorials

Theory of Evolutionary Computation

Anne Auger and Benjamin Doerr

Multimodal Optimization

Mike Preuss

Evolutionary Bilevel Optimization

Ankur Sinha, Pekka Malo, and Kalyanmoy Deb

Low or No Cost Distributed Evolutionary Computation

J.J. Mereło

Theory of Parallel Evolutionary Algorithms

Dirk Sudholt

Parallel Experiences in Solving Complex Problems

Enrique Alba

Cartesian Genetic Programming

Julian F. Miller

Automatic Design of Algorithms via Hyper-heuristic Genetic Programming

John R. Woodward, Jerry Swan, and Michael Epitropakis

Algorithm and Experiment Design with HeuristicLab – An Open Source Optimization Environment for Research and Education

Stefan Wagner and Gabriel Kronberger

Keynote Speakers

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