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# [LION9] Best paper nomination paper 11

**LION9** <lion9@easychair.org>                    18 December 2014 at 21:27
To: Helga Ingimundardottir <hei2@hi.is>

Dear Helga Ingimundardottir,
We are proud to announce that your paper Generating Training Data for Learning Linear Composite
Dispatching Rules for Scheduling has been nominated for best paper award.
The oral presentation of papers nominated for best paper award will be grouped in a special session and
results will be presented during the conference dinner.
Best regards
The organizing committee

## Program

**Program at glance in pdf**

| | Monday 12 | Tuesday 13 | Wednesday 14 | Thursday 15 |
|---|---|---|---|---|
| **9am** | | *Invited* **Rémi Munos** | *Invited* **Alex Freitas** | **Multi Objective Opt.** 49 |
| **10am** | | | | 32, 21, 28 |
| **11am** | | **Learning** 18, 2 | **Applications** 5, 45, 52 | **Max Clique Pb.** 13, 15 |
| **12am** | | 50, 3, 41 | 24, 58 | **Bayesian & Global Opt.** 33, 59, 22 |
| **1pm** | | | | |
| **2pm** | **Opening** | | *Invited* **Daniel Le Berre** | *Tutorial* **Thomas Stutzle** |
| **3pm** | *Invited* **David Corne** | *Tutorial* **Sébastien Verel** | **Dynamic Optimization** 27, 26 | **Manuel López-Ibáñez** |
| **4pm** | **Algo. Selection & Config.** 42 | **Fitness Landscape** | **Best Paper** | **Data Mining** |
| **5pm** | 36, 55, 60 | 31, 48 16 | 54, 11, 44 | 46, 57 38 |
| **6pm** | | | | |
| | | | Gala Dinner | |

### Monday 12th January

**2:00 - Opening**

**2:30 - Invited Speaker: David Corne - "Psychic machines: mind-reading with machine learning"**

**4:00 - Session : Algorithm Selection and Configuration**

- 42 - **From Sequential Algorithm Selection to Parallel Portfolio Selection**
  *Marius Lindauer, Holger Hoos and Frank Hutter.*
- 36 - **An Algorithm Selection Benchmark of the Container Pre-Marshalling Problem**
  *Kevin Tierney and Yuri Malitsky.*
- 55 - **ADVISER: A Web-based Algorithm Portfolio Deviser**
  *Mustafa Misir, Stephanus Daniel Handoko and Hoong Chuin Lau.*
- 60 - **Grammar-based Generation of Stochastic Local Search Heuristics Through Automatic Algorithm Configuration Tools**
  *Franco Mascia, Manuel López-Ibáñez, Jérémie Dubois-Lacoste, and Thomas Stützle*

### Tuesday 13th January

**9:00 - Invited speaker: Rémi Munos - "The optimistic principle applied to function optimization and planning"**

**10:00 - Session: Learning**

- 18 - **Identifying best hyperparameters for deep architectures using random forests**
  *Zhenzhen Li, Zhuoyao Zhong and Lianwen Jin.*
- 2 - **Genetic Programming, Logic Design and Case-Based Reasoning for Obstacle Avoidance**
  *Andy Keane.*
- 50 - **Minimizing total tardiness on identical parallel machines using VNS with learning memory**
  *Eduardo Lalla Ruiz and Stefan Voss.*
- 3 - **Dynamic service selection with optimal stopping and 'trivial choice'**
  *O. Skroch.*
- 41 - **A Comparative Study on Self-Adaptive Differential Evolution Algorithms on Both Test Functions and a Real-World Problem**
  *Shota Eguchi, Yuki Matsugano, Hirokazu Sakaguchi, Satoshi Ono, Hisato Fukuda, Ryo Furukawa and Hiroshi Kawasaki.*

**2:00 - Tutorial: Sébastien Verel - "Fitness landscape: the metaphor and beyond."**

**4:30 - Session: Fitness Landscape**

- 31 - **Empirical Analysis of Operators for Permutation Based Problems**
  *Pierre Desport, Matthieu Basseur, Adrien Goeffon, Frederic Lardeux and Frédéric Saubion.*
- 48 - **Fitness Landscape of the Factoradic Representation on the Permutation Flowshop Scheduling Problem**
  *Marie-Eleonore Marmion and Olivier Regnier-Coudert.*
- 16 - **Exploring non-neutral Landscapes with neutrality-based Local Search**
  *Matthieu Basseur, Adrien Goëffon and Hugo Traverson.*

## Wednesday 14th January

### 9:00 - Invited speaker: Alex Freitas - "Automating the Design of Decision Tree Algorithms with Evolutionary Computation"

### 10:30 - Session: Applications

- 5 - **A Selector Operator Based Adaptative Large Neighborhood Search for the Covering Tour Problem**
  *Leticia Vargas, Nicolas Jozefowiez and Sandra Ulrich Ngueveu*
- 45 - **Metaheuristics for the Two-Dimensional Container Pre-Marshalling Problem**
  *Alan Tus, Andrea Rendl and Günther Raidl.*
- 52 - **Improving the State of the Art in Inexact TSP Solving using Per-Instance Algorithm Selection**
  *Lars Kotthoff, Pascal Kerschke, Holger Hoos and Heike Trautmann.*
- 24 - **A Biased Random Key Genetic Algorithm for the Multiple Knapsack Assignment Problem**
  *Eduardo Lalla Ruiz and Stefan Voss.*
- 58 - **An hybrid metaheuristic for the Unit Commitment Problem**
  *Sophie Jacquin, Laetitia Jourdan and Talbi El-Ghazali.*

### 2:00 - Invited Speaker: Daniel Le Berre - "From Boolean Satisfaction To Boolean Optimization: Application To Dependency Management"

### 3:30 - Session: Dynamic Optimization

- 27 - **Annealing-Pareto Multi-Objective Multi-Armed Bandit Algorithm**
  *Saba Yahyaa, Madalina Drugan and Bernard Manderick.*
- 26 - **Pure-exploration Pareto front identification algorithms for stochastic environments**
  *Madalina Drugan and Ann Nowé.*

### 4:30 - Session: Best paper

- 54: **OSCAR: Online Selection of Algorithm Portfolios with Case Study on Memetic Algorithms**
  *Mustafa Misir, Stephanus Daniel Handoko and Hoong Chuin Lau.*
- 11 - **Generating Training Data for Learning Linear Composite Dispatching Rules for Scheduling**
  *Helga Ingimundardottir and Thomas Runarsson.*
- 44 - **Learning a hidden Markov model-based hyper-heuristic**
  *Willem Van Onsem, Bart Demoen and Patrick De Causmaecker.*

## Thursday 15th January

### 9:00 - Session: Multi-Objective

- 49 - **Comparison of Parameter Control Mechanisms in Multi-objective Differential Evolution**
  *Martin Drozdik, Hernan Aguirre, Youhei Akimoto and Kiyoshi Tanaka.*
- 32 - **A practical case of the multiobjective knapsack problem: Design, modelling, tests and analysis**
  *Brahim Chabane, Matthieu Basseur and Jin-Kao Hao.*
- 21 - **A Bayesian approach to constrained multi-objective optimization**
  *Paul Feliot, Julien Bect and Emmanuel Vazquez.*
- 28 - **Pareto Fronts for MultiZeno Benchmarks**
  *Alexandre Quemy, Marc Schoenauer, Vincent Vidal, Johann Dréo and Pierre Savéant.*

### 10:30 - Session Max-Clique Problems

- 13 - **Incremental MaxSAT Reasoning to Reduce Branches in a Branch-and-Bound Algorithm for MaxClique**
  *Chu-Min Li, Hua Jiang and Ru-Chu Xu.*
- 15 - **Reusing the same coloring in the child nodes of the search tree for the maximum clique problem**
  *- Alexey Nikolaev, Mikhail Batsyn and Pablo San Segundo.*

### 11:30 - Session Bayesian Optimization and Global Optimization

- 33 - **A warped kernel improving robustness in Bayesian optimization via random embeddings**
  *Mickael Binois, David Ginsbourger and Olivier Roustant.*
- 59 - **Approximate Bayesian Recursive Estimation**
  *Miroslav Karny*
- 22 - **Making EGO and CMA-ES Complementary for Global Optimization**
  *Hossein Mohammadi, Rodolphe Le Riche and Eric Touboul.*

### 2:00 - Tutorial - Thomas Stutzle, Manuel Lopez-Ibanez - "Automatic Algorithm Configuration: From Parameter Tuning to Automatic Design"

### 4:30 Session: Data Mining

- 46 - **Programming by Optimisation meets Parameterised Algorithmics: A Case Study for Cluster Editing**
  *Sepp Hartung and Holger Hoos.*
- 57 - **MO-Mineclust: A framework for multi-objective Clustering**
  *Benjamin Fisset, Laetitia Jourdan and Clarisse Dhaenens.*
- 38 - **A Software Interface for Supporting the Application of Data Science to Optimisation**
  *Andrew J. Parkes, Ender Ozcan and Daniel Karapetyan.*