

ModRef'11's Programme

Monday 12 September 2011

First Session: 9:00 - 10:30

Session chair: Zeynep Kiziltan

- 09:00 - 09:25 Eugene Freuder. **Dispensable Instantiations**
- 09:25 - 09:50 Maria Andreina Francisco Rodriguez, Pierre Flener and Justin Pearson. **Consistency of Constraint Networks Induced by Automaton-Based Constraint Specification**
- 09:50 - 10:10 Carlos Ansotegui, Miquel Bofill, Miquel Palahi, Josep Suy and Mateu Villaret. **A Proposal for Solving Weighted CSP with SMT**
- 10:10 - 10:30 John Hewson and Paul Anderson. **Modelling System Administration Problems with CSPs**

Coffee Break: 10:30 - 10:55

Second Session: 10:55 - 12:35

Session chair: Pascal van Hentenryck

- 10:55 - 11:45 **INVITED TALK**: Alan Frisch, University of York, UK
"A Decade of Research on Constraint Modelling and Reformulation: The Quest for Abstraction and Automation"
- 11:45 - 12:10 Nicolas Beldiceanu and Helmut Simonis. **Using the Global Constraint Seeker for Learning Structured Constraint Models: a First Attempt**
- 12:10 - 12:35 Amanda Swearngin, Berthe Y. Choueiry and Eugene C. Freuder. **A Reformulation Strategy for Multi-Dimensional CSPs: A Case Study for the SET Game**

Lunch: 12:35 - 14:00

Third Session: 14:00 - 15:40

Session chair: Gilles Pesant

- 14:00- 15:00 **PANEL DISCUSSION "Directions of CP Modelling and Reformulation in the Context of Extended Solver Representations"**
Panelists: Stefan Heinz, Michela Milano, Peter Stuckey, Willem-Jan van Hoeve
Moderation: Helmut Simonis
- 15:00 - 15:15 *Open Discussion*
- 15:15 - 15:40 Lucas Bordeaux and Joao Marques-Silva. **Knowledge Compilation with Empowerment**

Coffee Break: 15:40 - 16:10

Last Session: 16:10 - 17:45

Session chair: Lucas Bordeaux

- 16:10 - 16:35 Gilles Pesant. **Filtering and Counting for the Spread and Deviation Constraints**
- 16:35 - 17:00 Christian Bessiere, Zeynep Kiziltan and Toby Walsh. **Combining Set Variable Representations**
- 17:00 - 17:25 Jean-Charles Regin. **Improving the Expressiveness of Table Constraints**
- 17:25 - 17:45 George Katsirelos, Nina Narodytska, Claude-Guy Quimper and Toby Walsh. **Global Matrix Constraints**

18:00 A short guided tour of the city, starting from the workshop's rooms
20:00 Welcome reception in Rocca Paolina (at "C.E.R.P.")