SofT'11

Co-located with CP'11

11th Workshop on Preferences and Soft Constraints - SofT'11

Held in conjunction with CP'11

12-16th September 2011 Perugia, Italy

http://www.dmi.unipg.it/francesco.santini/soft11/

12th September 2011

Soft'11: the main goal

- **Goal:** To provide a **forum** for researchers currently working on **preferences and soft constraints** to discuss on recent ideas and promising new directions

Soft'11: previous editions

- Soft 1999
- Soft 2000
- Soft 2001
- Soft 2002
- Soft 2003
- Soft 2004
- Soft 2005
- Soft 2006
- Soft 2007
- Soft 2008
- Soft 2010

Very successful!

SofT'05

SofT'08

26TH SYMPOSIUM ON FUSION TECHNOLOGY
27 SEPTEMBER - 1 OCTOBER 2010, PORTO, PORTUGAL

Soft'11 - organization

- **Maria Silvia Pini** (Padova)

- **Francesco Santini** (Perugia)

- **K. Brent Venable** (Perugia)

Soft'11 – program committee

- **Stefano Bistarelli** (Italy)

- **Simon de Givry** (France)

- **Jimmy Lee** (Hong Kong)

Soft'11 – program commitee

- **Ines Lynce** (Portugal)

- **Felip Manya** (Spain)

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- **Joao Marques-Silva** (Ireland)

Soft'11 – program comitee

- **Pedro Meseguer** (Spain)

- **Barry O'Sullivan** (Ireland)

- **Emma Rollon** (Spain)

Soft'11 – program comitee

- **Francesca Rossi** (Italy)

- **Toby Walsh** (Australia)

- **Nic Wilson** (Ireland)

Soft'11 - Program

SESSION 1: Planning and timetabling

SESSION 2: Soft constraints - Part 1

SESSION 3: Soft constraints - Part 2

SESSION 3: Soft constraints - Part 2

- □ SESSION 1: Planning and timetabling
- □ 9:15 - 9:50 Mahuna Akplogan, Jerome Dury, Simon De Givry, Gauthier Quesnel, Alexandre Joannon, Arnaud Reynaud, Jacques Eric Bergez and Frederick
- □ *A Weighted CSP approach for solving spatio-temporal planning problem in farming systems*
- □
- □ 9:50 - 10:25 Broes Cat, Gerda Janssens and Marc Denecker
- □ *Regularity Requirements in University Course Timetabling*
- □ 10:25 - 10:55 coffee break

- □ SESSION 2: Soft constraints - Part 1
- □ 10:55 - 11:30 Emma Rollon, Natalia Flerova and Rina Dechter
- □ *Inference Schemes for M Best Solutions for Soft CSPs*
- □
- □ 11:30 - 12:05 Rina Dechter and Natalia Flerova
- □ *Searching for m Best Solutions*
- □
- □ 12:05 - 12:35 Conor O'Mahony and Nic Wilson
- □ *Sorted-Pareto Dominance: an extension to the Pareto Dominance relation and its application in Soft Constraints*
- □ 12:35 - 14:00 lunch

9:00 - 9:15   Welcome

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Searching for m Best Solutions

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Sorted-Pareto Dominance: an extension to the Pareto Dominance relation and its application in Soft Constraints

12:35 - 14:00   lunch

SESSION 3:   Soft constraints - Part 2

14:00 - 14:35   Venkatesh Ramamoorthy, Marius Silaghi, Toshihiro Matsui, Katsutoshi Hirayama and Makoto Yokoo

Soft Nonlinearity Constraints and their Lower-Arity Decomposition

14:35 - 15:10   Wady Naanaa

Domain permutation reduction for Valued CSPs

15:10 - 15:40   Audun Jøsang

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