Call for Papers
25th Mini-EURO Conference
Uncertainty and Robustness in Planning and Decision Making (URPDM 2010)

Coimbra - Portugal 15-17 April 2010

Scope and objectives
Uncertainty and risk are pervasive issues in planning and decision making tasks. With a wide range of causes and types of uncertainty, there are correspondingly many approaches to their treatment in decision analysis and optimization models. Some are tackled through discussion and creativity techniques to help decision makers set the boundaries of their problem; others are tackled through modelling techniques, e.g. probability, to reflect the randomness in the external world; yet others are approached through the use of sensitivity and robustness studies to explore the possible consequences of lack of precision in data estimates and judgments.

Different research communities address uncertainty issues in planning and decision making using different approaches, which often present similarities although being developed under distinct perspectives. There is a clear need for more work in the interfaces between these approaches for dealing creatively and effectively with different types of uncertainty in different contexts, also having in mind real-world applications.

This Conference is aimed at bringing together the specific expertise in aspects of handling uncertainty within decision support models to build a more comprehensive overview and integrated methodologies to tackle the various sources and types of uncertainties at stake in optimization and decision problems. The Conference will provide a forum in which researchers coming from different scientific disciplines and areas can discuss and share their experience regarding methodological approaches to tackle uncertainty for obtaining robust conclusions in decision support models with application to several areas.

Contributions from decision theory, Bayesian analysis, fuzzy sets, rough sets, risk analysis, stochastic programming, sensitivity analysis, robustness analysis, interval programming, inexact programming, constraint programming, evolutionary algorithms and meta-heuristics, multi-criteria analysis and multi-objective optimization, among others, are expected both from methodological and application perspectives, thus paving the way for a cross-fertilization between distinct ways to incorporate the treatment of uncertainty in optimization and decision support models.

This event follows up the successful conference on "Managing Uncertainty in Decision Support Models" that was held in 2004.

Organizing Committee
Carlos Henggeler Antunes, Ana Rosa Borges, Carla Oliveira, Luís Cândido Dias, Maria João Alves.

International Program Committee
Chairs: Carlos Henggeler Antunes (Portugal) and David Rios Insua (Spain).

Ahni Salo (Finland), Alexis Tsoukiás (France), Amparo Marmol (Spain), Barry O’Sullivan (Ireland), Bernard Roy (France), Carlos Fonseca (Portugal), Daniel Vanderpooten (France), Eleni Pratsini (Switzerland), Enrique Miranda (Spain), Fabrizio Ruggeri (Italy), Jacinto Gonzalez-Pachon (Spain), János Fodor (Hungary), João Climaco (Portugal), José Figueira (Portugal), Kaisa Miettinen (Finland), Laureano Escudero (Spain), Love Ekenberg (Sweden), Luis Dias (Portugal), Manfred Jaeger (Denmark), Manuel Matos (Portugal), Marc Sevaux (France), Masahiro Inuiguchi (Japan), Melvyn Sim (Singapore), Pedro Larrañaga (Spain), Raymond Bisdorff (Luxembourg), Robin Keller (USA), Roman Slowinski (Poland), Salvatore Greco (Italy), Simon French (UK), Thomas Nielsen (Denmark), Ulrich Junker (France), Vincent Mousseau (France), Wlodzimierz Ogryczak (Poland).

Submissions and publication
Contributions must be submitted under the form of short papers (4-6 pages) in the template provided at the Conference web site.

Two types of submissions are welcome:
• Proposal for a session of three papers dedicated to a given topic. After acceptance, the promoter will be responsible for his/her session and will chair it.
• Free submission of short papers (4-6 A4 pages).

The accepted papers will be published in a CD-ROM Conference Proceedings.


Registration fee

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<tr>
<th>Type of registration</th>
<th>Until March 30, 2009</th>
<th>After March 30, 2009</th>
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<tr>
<td>Normal(1)</td>
<td>250 €</td>
<td>300 €</td>
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<tr>
<td>Student(2)</td>
<td>150 €</td>
<td>200 €</td>
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(1) Includes Proceedings volume and conference documentation, two lunches, coffee breaks, social program, and taxes.

(2) Includes all of the above, except the banquet comprised in the social program. To qualify as a student, the delegate must present a student card.

Important dates
November 30, 2009 – Proposals for sessions and submission of short papers (4-6 pages)
February 1, 2010 - Notification to authors
March 1, 2010 - Final paper due (final version may be expanded up to 8 pages, 2MB pdf file max) and early registration deadline
March 22, 2010 - Registration deadline (to guarantee inclusion in the final program and proceedings volume)
April 15-16-17, 2010 – Conference

A deadline will be announced for submission of full papers to the refereed special issues of journals.

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