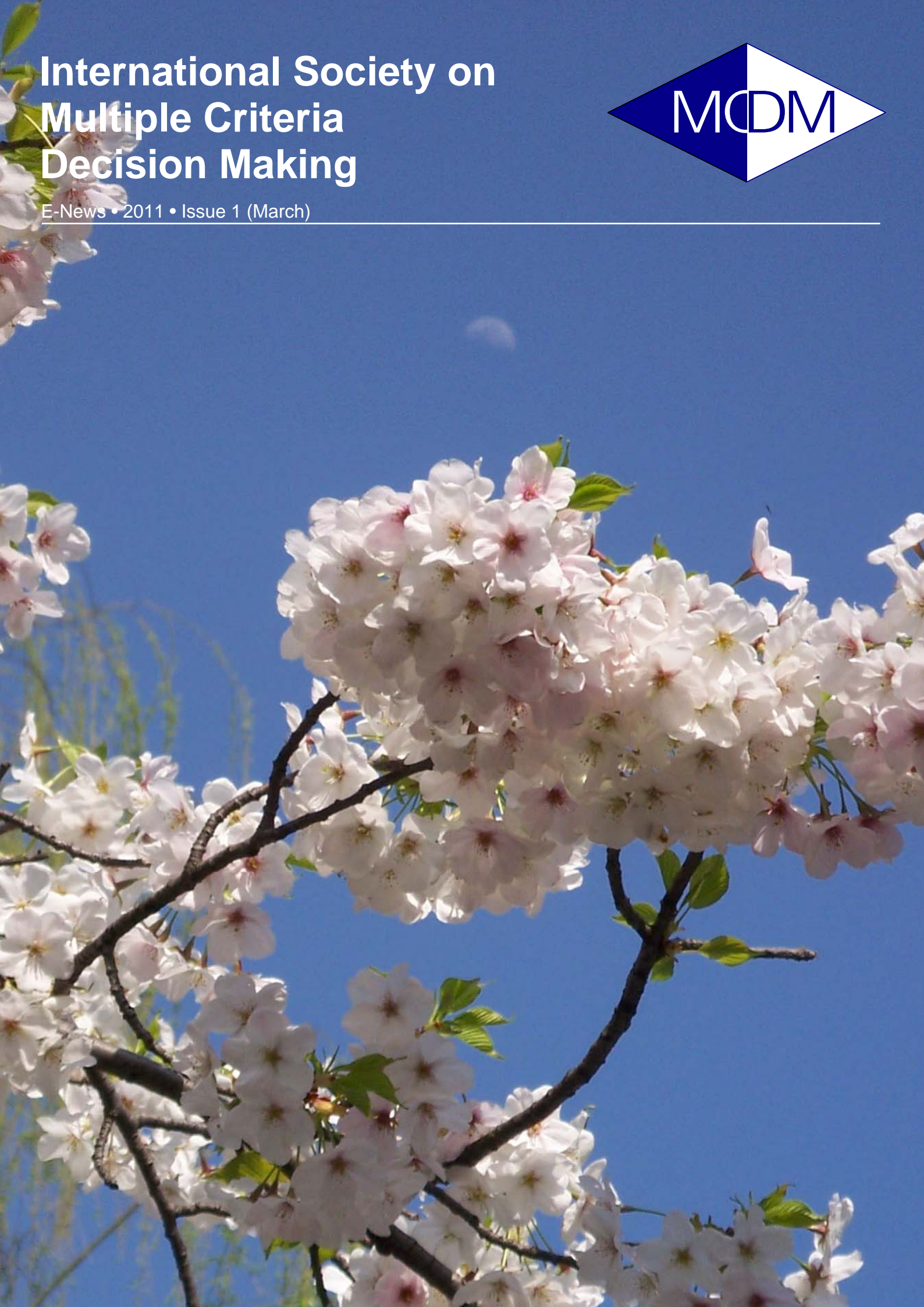


International Society on Multiple Criteria Decision Making

E-News • 2011 • Issue 1 (March)



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1 Society News

1.1 The 21st International Conference on Multiple Criteria Decision Making, June 13–17, 2011, Jyväskylä, Finland

Kaisa Miettinen, University of Jyväskylä, Finland



Dear Colleagues and Members,

On behalf of the organizing committee, am happy to share some news with you about the 21st International Conference on Multiple Criteria Decision Making (MCDM2011). By the deadline (end of January 2011) we received almost 350 abstracts and the program committee worked hard to review them. All organizers were positively surprised by the enormous interest MCDM2011 received. We have accepted almost 300 contributed abstracts and abstracts in invited sessions with speakers from 43 countries.

The conference will be organized on **June 13–17, 2011** at the University of Jyväskylä, Finland in the Agora building which is located next to lake Jyväsjärvi. Agora has modern facilities and provides an excellent venue. We expect the participants to arrive on Sunday June 12, 2011 so that they can register before the Welcome Reception on Sunday evening in Agora. The conference will be opened on Monday morning by Professor Aino Sallinen, the Rector of the University of Jyväskylä.

The theme of the conference is Environment and Policy. The three plenary speakers of MCDM2011 are Jared Cohon (President, Carnegie Mellon University, Pittsburgh, USA), Jyrki Kangas (Director General, Metsähallitus, Finland) and Stanley Zionts (Adjunct Professor, The State University of New York at Buffalo, New York, USA)

We have a versatile program: besides the plenaries, contributed and invited sessions, we have Wiley Practice Prize and MCDM Doctoral dissertation competitions. The deadline for applications of the latter is the end of March, 2011. In addition, the winners of the Society's awards will give talks during the conference.

For more information, see <http://www.jyu.fi/mcdm2011>. The conference poster is available at <https://www.jyu.fi/mcdm2011/Press/mcdm2011-poster.pdf>.

Note that we look for sponsors and hope that you can distribute the invitation: <https://www.jyu.fi/en/congress/mcdm2011/sponsors/call-for-participation-and-partners>.

See you in Jyväskylä in June!

Kaisa Miettinen

General Chair of MCDM2011, [mcdm2011 \(at\) mcidsociety.org](mailto:mcdm2011@mcidsociety.org)

President-Elect, International Society on MCDM, President-elect (at) mcidsociety.org

1.2 Call for applications: MCDM Doctoral Dissertation Award

At the 21st International Conference on Multiple Criteria Decision Making, the International Society on Multiple Criteria Decision Making will honor the MCDM Doctoral Dissertation Award to a young scholar who has recently obtained a doctoral degree and completed an excellent doctoral dissertation in the Multiple Criteria Decision Making (MCDM) and/or related research fields.

Once applications are received, the MCDM Doctoral Dissertation Award Committee will evaluate the applications, identify finalists and provide recommendations to the MCDM Executive Committee for the final decision. The award will be announced at the 21st International Conference on Multiple Criteria Decision Making, University of Jyväskylä, Finland, June 13-17, 2011. The finalists are expected to give a talk at the conference and the final decision will be made after the talks.

Application Process:

Deadline for applications: **March 31, 2011.** Please send the zip file of the application packet to Yong Shi, the chair of the MCDM Doctoral Dissertation Award Committee at yshi@unomaha.edu and yshi@gucas.ac.cn.

Eligibility: All applicants, whose dissertation is in the MCDM and/or related fields was written in English and graduated with a doctoral degree in 2008, 2009, 2010 or 2011.

The application packet should include the following documents:

- Cover letter
- Detailed resume
- Scanned copy of the original diploma of Doctoral Degree /Scanned copy of dissertation acceptance form signed by all committee members for recent graduates who do not have the diploma
- Electronic copy of the Doctoral Dissertation Report of the corresponding supervisor
- Extended Abstract of the Doctoral Dissertation in English, limit of four single-spaced pages
- Copy of related publications/patents based on the Doctoral Dissertation, if any
- Supporting letters of three references, at least two from persons who were not Dissertation Advisors or did serve on the Dissertation Committee

MCDM Doctoral Dissertation Award Committee:

- Yong Shi (Chair), Chinese Academy of Sciences, China /University of Nebraska at Omaha, USA
- Kalyanmoy Deb, Indian Institute of Technology Kanpur, India/Aalto University School of Economics, Finland
- Andrzej Jaszkiewicz, Poznan University of Technology, Poland
- Kathrin Klamroth, University Wuppertal, Germany
- Gang Kou, University of Electronic Science and Technology, China
- Heeseok Lee, Korea Advanced Institute of Science and Technology, Korea
- Hirotaka Nakayama, Konan University, Japan
- Serpil Sayin, Koç University, Turkey
- Francisco Ruiz, University of Málaga, Spain
- Lothar Thiele, Swiss Federal Institute of Technology Zurich, Switzerland
- Margaret Wiecek, Clemson University, USA

1.3 Call for proposals: Upcoming International Conferences on Multiple Criteria Decision Making

Jyrki Wallenius, Aalto University, Finland

The International Conference on Multiple Criteria Decision Making is *the* premier scientific event in the research area of MCDM. It has a tremendous history, dating back to its introduction in 1975. Since this date, 21 meetings have been organized, and the different venues of the conference include all continents of the globe. The conference regularly attracts a large number of researchers, bringing together experts from decision making/ aiding, business and economics, mathematics, computer science, engineering, and related disciplines. In the upcoming 21st conference 2011, more than 300 scientific talks from 43 countries are accepted.

We call for proposals to organize one of the the next International Conferences on MCDM, following this years meeting in June 2011 in Jyväskylä, Finland. As traditionally the International Conference on MCDM is organized biannually, proposals should preferably be formulated for 2013 and/ or 2015.

Proposals should be sent to the president of the International Society on MCDM, Jyrki Wallenius (president@mcdmsociety.org). Besides, we would appreciate it if the prospective organizers could present their proposals during the 2011 meeting in Finland, so that details can be discussed in person.

2 Past Conferences, Workshops, and Other News

2.1 10th edition of the MCDA Summer School, Ecole Centrale Paris, France, June 27th–July 10th 2010



The 10th edition of the MCDA Summer School took place at Ecole Centrale Paris (Châtenay-Malabry, 10km south of Paris, France (June 27th–July 10th 2010). It was organized by Vincent Mousseau, Industrial Engineering laboratory, Ecole Centrale Paris. The MCDA summer Schools are coordinated by the International MCDM Society and theEuro Working Group “Multiple Criteria Decision Aid”.

The main lecturers were Raymond Bisdorff (University of Luxemburg), Denis Bouyssou (Lamsade, CNRS Paris Dauphine), Yann Chevalere (University Paris 13), Sébastien Damart (CNAM, Paris), Yves De Smet (Université Libre de Bruxelles, Belgium), José Figueira (University Nancy, France), Florent Joerin (Université Laval, Canada), Murat Köksalan (METU, Ankara, Turkey), Gilberto Montibeller (London School of Economics), Vincent Mousseau (Ecole Centrale Paris, France), Meltem Öztürk (Lamsade, Université Paris Dauphine), Patrice Perny (Univ. Pierre et Marie Curie, Paris, France), Marc Pirlot (Université Mons, Belgique), Bernard Roy (Lamsade, Université Paris Dauphine), Ahti Salo (Aalto university, Finland), Roman Slowinski (Technical University of Poznan, Poland)

The program (se hereafter) was organized such that morning involved lectures and afternoons were devoted to case studies. Three case studies were proposed and mentored by senior lecturers. The detailed program and the material (slides, case studes,...) are available on the web site of the summer school (www.gi.ecp.fr/mcda-ss)

	8h30-10h15		10h45-12h30		14h-15h45		16h15-18h		20h30-22h
Sunday June, 27 th							Registration 16h-18h		Get together Bienvenue
Monday June, 28 th	Opening session	Introduction to MCDA (B. Rog)		Problem Structuring (G. Montibeller)		Case study presentation	Case study presentation		
Tuesday June, 29 th		Problem Structuring (G. Montibeller)	Coffee break	Preference modelling (D. Bouyssou)	Lunch	Case study session 1	Case study session 2		
Wednesday June, 30 th		Conjoint measurement (D. Bouyssou)		Multicriteria Value Theory (A. Salo)		Analytic Hierarchy Process (A. Salo)	Case study session 3		Portfolio Decision Analysis (A. Salo)
Thursday July, 1 st		Multicriteria Utility Theory (A. Salo)		MACBETH (S. Damart)		Decision Deck (R. Bisdorff)	Case study session 4		
Friday July, 2 nd		Social choice theory (P. Perny)		Computational Social Choice (Y. Chevalere)		Electre methods (J. Figueira)	Case study session 5		
Saturday July 3 rd	Social Program								Banquet
Sunday July 4 th									
Monday July, 5 th	Prométhée methods (Y. De Smet)		Decision Deck (R. Bisdorff)		Case study session 6		Intermediate presentation		
Tuesday July, 6 th	Preference elicitation (Y. Mousseau)	Coffee break	Ordinal regression, UTA (R. Slowinski)	Lunch	Case study session 8		Case study session 9		
Wednesday July, 7 th	Rough sets based decision analysis (R. Slowinski)		Rough sets based decision analysis (R. Slowinski)		Case study session 10		Case study session 11		
Thursday July, 8 th	Data Envelopment Analysis (A. Salo)		Multicriteria Combinat. Optim. (P. Perny)		Evol. Multiobj. Optimization (M. Köksalan)		Case study session 12		GIS and MCDA (F. Joerin)
Friday July, 9 th	Interactive methods (M. Köksalan)		Interactive methods (M. Köksalan)		Case study final presentation		Case study final presentation	Closing session	

This summer school was a real success and 62 participants (mainly doctoral students or post-doc fellows, see the web site for the participants' profiles) coming from 21 countries came to participate. Beyond the fact that participants got a detailed and profound insights on the field of MCDA during the lectures and case study session, the summer school contributed to create a international community of young researchers in the field of MCDA.

Aside the scientific program, the participants were involved in a dense social program including banquet, cycling tour in Paris, boat trip on the Seine river, picnic in the from of the Eifel tour,... The social program was indeed at least as much appreciated as the scientific Program (see photos on the web site)



2.2 Workshop: Present and future of the Spanish research on Multicriteria Decision Making

Begoña Vitoriano, Universidad Complutense de Madrid, Spain

The Multicriteria Decision Making Spanish Group organised the workshop entitled “Present and future of the Spanish research on Multicriteria Decision Making”. It was held on February 1st, 2011, at the Faculty of Mathematical Sciences of the University Complutense of Madrid, with the support of the Inter-disciplinary Mathematics Institute, and chaired by Dr. Begoña Vitoriano.

Thirty researchers from different Spanish universities met in Madrid and exchanged their knowledge, focused on the work of young researchers (recent PhD. or students), giving them the opportunity to meet others colleagues like them, and to know the activities of consolidated research groups (Málaga, Zaragoza, Oviedo, Polytechnic of Madrid, Polytechnic of Valencia, Complutense of Madrid, La Laguna). Presentations of young researchers dealt with a wide variety of issues on Multicriteria Decision Making, like the development of an algebraic language for multiobjective optimisation, fuzzy classification problems and distribution aid models for humanitarian logistics, methods for ordering alternatives in MAUT, hedonic methodology for socially responsible funds or effectiveness of e-cognocracy. Programme and presentations can be found at www.mat.ucm.es/imi. A poster session allowed the participants to get acquainted with the research of the different consolidated research groups.

A round table discussing the current state of the MCDM research in Spain and proposing future joint activities was the end of the academic work, while the day finished with a delicious fellowship dinner (see picture).



3 New Books

3.1 Trends in Multiple Criteria Decision Analysis

Matthias Ehrgott, University of Auckland, New Zealand



in Multiple Criteria Decision Analysis, Volume 142 of the series: *International Series in Operations Research & Management Science*, edited by Matthias Ehrgott, José Figueria, Salvatore Greco, Springer, 1st Edition., 2010, XIX, 462 p. 49 illus., Hardcover, ISBN: 978-1-4419-5903-4

Multiple Criteria Decision Analysis (MCDA) is the study of methods and procedures by which concerns about multiple conflicting criteria can be formally incorporated into the management planning process. A key area of research in OR/MS, MCDA is now being applied in many new areas, including GIS systems, AI, and group decision making. This volume is in effect the third in a series of Springer books about MCDA (all in the ISOR series), and it brings all the latest advancements into focus. Looking at developments in the applications, methodologies and foundations of MCDA, it presents research from leaders in the field on such topics as Problem Structuring Methodologies, Measurement Theory and MCDA, Recent Developments in Evolutionary Multiobjective Optimization, Habitual Domains and Dynamic MCDA in Changeable Spaces, Stochastic Multicriteria Acceptability Analysis, Robust Ordinal Regression, and many more challenging issues.

4 Sources of Information

- Homepage of the International Society on Multiple Criteria Decision Making. Website: <http://www.mcdmsociety.org>
- Kaisa Miettinen's website has several interesting links with Operational Research and Multi-Criteria websites (scientific societies, journals, conferences, etc.). Website: <http://users.jyu.fi/~miettine/lista.html>
- The website of the EURO Working Group on Multicriteria Decision Aiding has lots of useful information on multi-criteria. Website: <http://www.inescc.pt/~ewgmcdai/index.html>
- Vincent Mousseau's database of research publications on MCDA has more than 2400 records, and it is a good source of information. Website: <http://www.lamsade.dauphine.fr/mcda/biblio/>
- Carlos A. Coello Coello maintains the EMOO web page, an archive of publications, software and other material related to multi objective optimization. Website: <http://www.lania.mx/~ccoello/EMOO/>
- Information on the Analytic Hierarchy Process (AHP) and the related International Symposia Series: <http://www.isahp.org/>
- - The Continuous Optimization Working Group of EURO: <http://www.iam.metu.edu.tr/EUROOPT/>

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We are working on publishing the newsletter of the International Society on Multiple Criteria Decision Making three times a year. Contributions can be sent at any time to the editor (please see the address provided above).