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## The Association of European Operational Research Societies

EURO Newsletter # 6  
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### First EURO PhD School (EPS) Announced



The Association of European  
Operational Research Societies

#### Multicriteria Decision Making With Mathematical Programming Madrid, February 17 - 28, 2014

The aim of the PhD School is to introduce students in multicriteria decision making with continuous methods, related to mathematical programming. Contents are as follows:

- 1.- Basic Concepts on Multicriteria Decision Making
- 2.- Multiobjective Programming: obtaining an efficient set
- 3.- Compromise Programming: choosing an efficient point
- 4.- Goal Programming: satisfying logic
- 5.- Multicriteria Interactive Methods
- 6.- Group Decision Making

The course is designed to be very practical, following each day 2 hours of theoretical classes where new concepts and methods are introduced, 3 hours (divided in 2 periods) of supervised training in a computing classroom, and 3 hours of personal work.

Students will work in pairs. A different problem will be assigned to each pair on Day 1. Students will work on the assigned problem throughout the course, leading to a final presentation on the last day. The list of problems will be of different sectors, especially focused on logistics and production (humanitarian logistics, power generation, location and routing problems...)

**EURO PhD schools are training-oriented and addressed to PhD students.**

**LOCATION:**

FACULTAD DE CIENCIAS MATEMÁTICAS, UNIVERSIDAD COMPLUTENSE DE MADRID. MADRID (SPAIN)

**FEES: 200€**

Living costs are subsidised by the EPS. This includes all accommodation, meals, and social activities. Full or partial grants will be considered under request. Travel costs should be covered by the participants, either themselves or through external funding. No insurance will cover the participants

**APPLICATIONS:**

To apply to the EPS, candidates from a EURO member society country, or studying in a EURO member society country, should submit the following information by email to [imeio@mat.ucm.es](mailto:imeio@mat.ucm.es): curriculum vitae (including academic track record) a letter outlining motivation to attend a recommendation letter from the supervisor or coordinator of the PhD programme in which the student is enrolled

ECTS Credits: 3 (75 hours: classes 2h/day, supervised training 3h/day, personal work 2h/day)

**Application Deadline: October 31st, 2013**

**Notification of acceptance: November 15th, 2013**

[http://www.mat.ucm.es/imeio/cursos/EPS\\_MCDM/](http://www.mat.ucm.es/imeio/cursos/EPS_MCDM/)

## Call For Papers: 11th ESICUP Meeting Beijing, China, March 19 - 21, 2014

**EURO**

The Association of European  
Operational Research Societies

co-hosted by

**ESICUP - The EURO Special Interest Group on Cutting**

and

**Beijing Jiaotong University**

**ESICUP**

The purpose of ESICUP - The EURO Special Interest Group on Cutting and Packing is to improve communication among individuals working in the field of Cutting and Packing. It brings together practitioners, researchers and instructors from all around the world. Apart from the organization of meetings, the activities of the group include the promotion of publications and the maintenance of a website.

The group has been initiated by Harald Dyckhoff and Gerhard Wäscher at the occasion of the 1988 EURO/TIMS Conference in Paris. Since 2003, ESICUP is organized as an international working group of the Association of European Operational Research Societies (EURO). It currently has around 600 registered members. For more information on ESICUP see <http://www.fe.up.pt/esicup/>.

**The Meeting**

The 2014 edition is the 11th regular meeting of ESICUP. It provides a forum for researchers and practitioners from all over the world who are interested in presenting their research results and in learning about the latest developments in the field of Cutting & Packing. The meeting will take place in Beijing, China. It follows meetings in Wittenberg (Germany), Southampton (United Kingdom), Porto (Portugal), Tokyo (Japan), L'Aquila (Italy), Valencia (Spain), Buenos Aires (Argentina), Copenhagen (Denmark), La Laguna (Spain) and Lille (France). The conference language will be English.

The meeting will be hosted by Beijing Jiaotong University (BJTU), a national key university of China under the direct administration of the Ministry of Education. With origins that can be traced back to 1896, it has become one of the leading universities in China, well known, in particular, for research and education related to the construction and the management of railway systems. Its location in Beijing, less than 9 Kilometers from Tiananmen Square, makes it a university that is nearest to the heart of China.

**Program Committee**

Gerhard Wäscher, Otto-von-Guericke-Universität Magdeburg (Chair); A. Miguel Gomes, University of Porto; Guochuan Zhang, Zhejiang University; Jiazhong Cha, Beijing Jiaotong University; José Fernando Oliveira, University of Porto; Julia Bennell, University of Southampton; Naihua Xiu, Beijing Jiaotong University; Ramón Alvarez-Valdes, University of Valencia; Yaodong Cui, Guangxi University; Yiping Lu, Beijing Jiaotong University; Zhiming Liu, Beijing Jiaotong University

**Local Organising Committee**

Zhiming Liu, Beijing Jiaotong University (Chair); Yiping Lu, Beijing Jiaotong University (Co-Chair); Guolin Duan, Hebei University of Technology; Jieping Liu, Beijing Jiaotong University; Jinmin Wang, Tianjin University of Technology and Education; Mingcheng E, Beijing Jiaotong University; Tianqiao Tang, Beijing Jiaotong University; Wei Liu, Beijing Jiaotong University; Xianghui Ning, Beijing Jiaotong University; Xiaomin Zhu, Beijing Jiaotong University; Zengqiang Jiang, Beijing Jiaotong University

**Topics of Interest**

Contributions dealing with any aspect of Cutting and Packing are invited. This includes theoretical achievements, model formulations, development of algorithms and real-world implementations. Typical - but not exclusive - topics of interest are:

- One-dimensional problems
- Two-dimensional rectangular problems

- Packing of irregular shapes, nesting
- Three-dimensional packing, container loading
- Bin packing problems
- Knapsack problems
- Typologies
- Problem generators, benchmark problem instances
- Variants and extensions of cutting and packing problems
- Industrial applications

Presentations on other problems which are closely related to Cutting and Packing are also welcomed.

#### Abstract Submission

As for the submission of abstracts, please follow the procedure described in the "Abstract Submission" section on the meeting website (see below). Authors of accepted papers will be notified by January 22, 2014 and their abstracts will be published (if registered for the conference) in the abstract book of the 11th ESICUP Meeting which will be available for download. No further conference proceedings will be published.

#### Conference Fees

- Early registration (until January 31): 817 CNY / 100 Euro
- Late registration (after January 31): 980 CNY / 120 Euro

#### Important Dates

- January 15, 2014: Deadline for abstract submission
- January 22, 2014: Notification of acceptance
- January 31, 2014: Deadline for early registration and authors registration
- March 19-21, 2014: 11th ESICUP Meeting

#### Website

<http://www.fe.up.pt/~esicup/extern/esicup-11thMeeting>

#### Acknowledgement

The conference organizers acknowledge support from the Mathematical Programming Branch of the Operations Research Society of China.

## Second Call for Papers: EURO Summer Institute Operational Research applied to Health in a Modern World Forte di Bard, Italy, June 11th-20th, 2014

**EURO**

The Association of European  
Operational Research Societies

<http://orahs.di.unito.it/eswi/2013-09-25-CFP-ESI-XXXI.pdf>

The OR Societies of Italy and the UK are pleased to announce a EURO Summer Institute (**ESI XXXI**) on the theme "**Operational Research applied to Health in a Modern World**" from **June 11 to June 20, 2014**.

**Theme:** OR modelling for healthcare has developed with the complexities of the modern world. Health Care Systems (HCS) are often awash with data but managers are unable to benefit while concerned only with trouble-shooting. Furthermore, HCS should reflect a patient centered and societal perspective focusing on outcomes rather than only on output. **ESI XXXI** will bring together those issues proposing new modelling and solution techniques to aid decision makers in the fields of health and disease management, patient flow and all aspects of optimal use of scarce resources.

**Background:** EURO Summer and Winter Institutes (ESWI) provide an excellent forum for PhD students and early career researchers to discuss their research at length with experts in the field, as well as forming links with other early stage researchers that will endure throughout their careers. For further details, see <http://www.euro-online.org/web/pages/458/summerwinter-institutes>.

**Format:** Around 25 early stage researchers will be invited to attend the ESWI. They will be very early career academics (PhD students and/or those who have less than two years research experience post PhD). Those invited will meet for about ten days and present the material of an unpublished piece of work, discussing it with others and with a handful of specially invited senior experts in the field. Social activities will complement formal proceedings. Papers will be prepared for consideration for an upcoming issue of an OR publication (**TBA**).

Disregarding the senior experts, no one can participate in an ESWI more than once in his or her lifetime. Participation in an ESWI should be regarded as a considerable honour. In other words, the main objective of an ESWI is to give a limited number of carefully selected representatives of the next generation a unique opportunity for establishing a personal network and for addressing an international audience and thus to create new research groups around the topic chosen.

EURO provides a substantial contribution towards all the ESWI expenses "on location" (room and board, social programme, etc.); sponsorship is being sought for the remainder of these expenses. The travel costs, however, must be

covered by the participant's national OR society or, if not possible, by the participants themselves.

Applicants will submit their papers to the Scientific Committee, along with a curriculum vitae. The committee will select and rank the candidates on the basis of submitted papers, and afterwards channel this information to the national OR societies for funding decisions. Candidates fulfilling the eligibility rules but exceeding the number of 25 participants may be accepted, in a limited number, in the ESWI. Such candidates should cover their expenses. Fees will be also required but their amount will be defined later.

**Expressions of interest are now being sought in order to assess the likely number of participants. Please email [eswihealth2014@di.unito.it](mailto:eswihealth2014@di.unito.it) if you are considering submitting a paper.**

#### Important dates

- **1st February 2014:** deadline for submission of applications.
- **1st March 2014:** selection of Candidates by Scientific Committee and communication to the National OR Societies.
- **11th - 20th June 2014:** ESI XXXI.
- **31st October 2014:** submission of final versions of papers for publication in the special issue.

## Second Call for Papers: EURO Summer Institute OR in Agriculture and Agrifood Industry Lleida, Spain, July 19th-August 1st, 2014

**EURO**

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#### Aims and Scope

Aim of this EURO Summer Institute is to bring together young scientists with academic experts on OR methods besides the development of innovative applications mainly for Agriculture and Agrifood Industry. This ESI will combine tutorial lectures on stochastic programming, games theory, decision graphs, simulation, production planning and software presentations with student contributions and scientific discussions around agriculture and agrifood industry.

#### Invited Speakers (confirmed)

Marcela Gonzalez (Chile) - Laureano Escudero (Spain)- Anders R. Kristensen (Denmark)- Víctor M. Albornoz (Chile) - Andrew Higgins (Australia) -Frederik Garcia (France) - Laura Riesgo (Spain) - Concepción Maroto (Spain) - Rene Villalobos (USA) - Ilan Halachmi (Israel) - Jacqueline Bloemhof (Netherlands)

#### Participation

Participation is limited to a group of about 20 students, normally aged 25-35, who have significant experience in the field, and are authors of at least one high-quality paper which has not yet been published, nor submitted for publication. During ESI all participants are invited to give a talk of 30 minutes on their submitted paper.

Each national OR Society is entitled to send at least one participant (possibly up to three) to the ESI. The costs of the ESI are met by EURO and other organisations, excluding the participants' travel expenses which are normally met by the corresponding national OR Societies. Students interested in participating in ESI 2014 should send their application, together with their curriculum vitae, their list of publications and an unpublished paper corresponding to this year's theme, to their national OR Society.

#### Deadline

The deadline for application at the national OR Societies is **15th December, 2013**.

For further information and subsequent updates see at [www.orafm.org](http://www.orafm.org) or [http://orafm.udl.cat/?page\\_id=233](http://orafm.udl.cat/?page_id=233).  
Alternatively, send a request by e-mail to [LMPLA@matematica.udl.cat](mailto:LMPLA@matematica.udl.cat)

## NEW EWG-DSS Springer Publication

The EWG-DSS Coordination Board is delighted to announce its second joint book publication entitled:

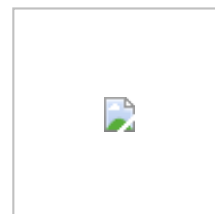
### **Decision Support Systems II - Recent Developments Applied to DSS Network Environments**

To appear in the Volume 164 of the LNBIIP Springer Editorial.

<http://www.springer.com/computer/information+systems+and+applications/book/978-3-642-41076-5>

**J.E. Hernández, S. Liu, B. Delibasić, P. Zaraté, F. Dargam, R. Ribeiro (Eds.)**

Euro Working Group Workshop, EWG-DSS 2012, Liverpool, UK, April 12-13, 2012, and Vilnius, Lithuania, July 8-11, 2012, Revised Selected and Extended Papers



## Series: Lecture Notes in Business Information Processing, Vol. 164

Post conference proceedings of the Euro Working Group Workshops 2012

This book contains extended and revised versions of a set of selected papers from two workshops organized by the Euro Working Group on Decision Support Systems (EWGDSS), which were held in Liverpool, UK, and Vilnius, Lithuania, in April and July 2012.

From a total of 33 submissions, 9 papers were accepted for publication in this edition after being reviewed by at least three internationally known experts from the EWGDSS Program Committee and external invited reviewers. The selected papers are representative of the current research activities in the area of decision support systems, focusing on topics such as decision analysis for enterprise systems and non-hierarchical networks, integrated solutions for decision support and knowledge management in distributed environments, decision support system evaluation and analysis through social networks, and e-learning and its application to real environments.

## Call for Entries: 2014 Edelman Award



Submit your entry now for the 2014 Franz Edelman Award. INFORMS' top prize for implemented work in OR/MS and analytics rewards outstanding examples of innovative and "game-changing" analytics projects in organizations. A three-page summary is due by **October 16, 2013**. The Edelman Award competition will be held at **INFORMS 2014 Conference on Business Analytics and Operations Research, March 30-April 1, Boston, Massachusetts, USA**. [Click here](#) for more information and the application process. Peter Bell, Professor of Management Science at University of Western Ontario, Canada, is 2013-2014 chair of the award committee.

## IFORS Prize for OR in Development 2014 - Third Call for Papers



IFORS is pleased to announce that the Prize will be awarded during the 20th Triennial conference on "The Art of Modeling" to be held in **Barcelona, Spain from 13-18 July 2014**.

This competition has been held for over 25 years, and recognizes outstanding and relevant OR work carried out in developing countries.

**\* Awarded at the close of the IFORS Triennial Conference and carries with it a grand prize of US\$ 4,000.00 and a runner-up prize of US\$ 2,000.00**

**\* The finalist papers are automatically considered for publication in the IFORS Publication, International Transactions in Operational Research (ITOR). Publication is contingent upon the usual refereeing process. Authors of these papers agree that the first right to publish their papers lies with ITOR; as such, they will not publish the same until and unless they receive permission to do so by the ITOR editor.**

### Topic of paper

- The paper should describe a practical OR application in a developing country, conducted to assist a specific organization in its decision-making process with regard to education, health, and other basic services, water, technology, resource use (physical or financial), infrastructure, agricultural/industrialization, natural resources, or environmental sustainability. It should also contain original features in methodology and/or implementation in developing countries.
- The paper should include some description of: the application's social context, how the project succeeded despite constraints and limited resources, and particularly its impact on the decision making process or on the organization for which it was conducted. Where appropriate, the relevance of the country's state of development to the study should be addressed. A stress on developmental issues will be an important factor in the judging.
- Papers of a purely technical nature, or those, which have no relevance in the developmental context, will not be considered.

### Judging Criteria

- Qualifying papers will be evaluated on the following criteria: problem definition, creativity and appropriateness
- of approach, MS/OR content, stress on developmental issues, innovative methodology, impact of the study,
- paper organization and structure, and quality of written and (if selected as finalist) oral presentation.
- Participation of local researchers will also be a judging criteria.

### Other Information

- Principal authors and presenters of any nationality are welcome. If selected to be among the finalists, the entry must be presented by one of the principal authors during the IFORS Triennial Conference to be held

in Barcelona, Spain from 13-18 July 2014.

- Finalists' registration fees will be sponsored by IFORS. For finalists who are nationals of developing countries, a grant for living expenses may be requested but cannot be guaranteed.
- Entry must be submitted using the submission site for the IFORS journal, International Transactions on Operations Research (ITOR) <http://mc.manuscriptcentral.com/itor>, indicating in the cover letter that it is intended for this competition. At this point, authors warrant that their paper submissions have not or will be published in another journal. ITOR Editor Celso Ribeiro will forward the papers submitted to the Chair. When the finalists are announced, only finalist papers will be considered as formal submissions to ITOR.
- An international panel of judges chaired by Andres Weintraub, Chile, has been formed

Further inquiries should be sent directly to the Prize Chair:

**Prof. Andres Weintraub**

Professor Department of Industrial Engineering  
University of Chile  
P.O. Box 2777  
Santiago, Chile  
E-mail: [aweintra@dii.uchile.cl](mailto:aweintra@dii.uchile.cl)

Last date of submission of the full paper: **November 30, 2013**

Finalists will be notified by: **February 28, 2014**

Date of presentations: **July 14, 2014**

## Upcoming Conferences

17th-19th October 2013	<a href="#">EURO Mini-Conference on "Collaborative Decision Systems in Economics and in Complex Societal and Environmental Applications"</a>	Graz, Austria	15th August 2013
24th-26th October 2013	<a href="#">Joint conference SOAK (Svenska Operationsanalyskonferensen) and NOS6 (The 6th Nordic Optimization Symposium)</a>	Gothenburg, Sweden	16th September 2013
2nd-4th December 2013	<a href="#">EUROFUSE Workshop 2013</a>	Oviedo, Spain	17th June 2013
12th-14th December 2013	<a href="#">European Workshop on Commodities and Financial Modeling (EWGCFM)</a>	Vienna, Austria	15th November 2013
5th-9th February 2014	<a href="#">EURO Mini-conference on Optimization in the Natural Sciences</a>	Aveiro, Portugal	1st November 2013
17th-28th February 2014	<a href="#">EURO PhD School on Multicriteria Decision Making with Mathematical Programming</a>	Madrid, Spain	31st October 2013
2nd-4th March 2014	<a href="#">2014 INFORMS Telecommunications Conference</a>	Lisbon, Portugal	3rd January 2014
19th-21st March 2014	<a href="#">11th ESICUP Meeting</a>	Beijing, China	15th January 2014
26th-28th June 2014	<a href="#">EURO Working Group Conference on Operational Research in Computational Biology, Bioinformatics and Medicine</a>	Poznan, Poland	15th February 2014
13th-18th July 2014	<a href="#">20th IFORS Conference</a>	Barcelona, Spain	
19th July- 1st August	<a href="#">EURO Summer Institute 2014. OR in Agriculture and Agrifood</a>	Lleida, Spain	15th December

2014	<a href="#">Industry</a>		2013
20th-25th July 2014	<a href="#">ORAHS 2014</a>	Lisbon, Portugal	18th April 2014

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