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The Association of European Operational Research Societies

EURO Newsletter # 31
October 19, 2015

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Special Announcements

European Study on OR/MS Education

[Also in <https://www.euro-online.org/web/pages/1558/education>]



Concerning the **EU-Survey deadline** and appreciating

- the wide geographic distribution of respondents,
- the relative non-uniform number of respondents by country,
- the relative non-uniform number of comments by country,
- the occurrence of OR-related events/conferences/workshops in late September, and
- the eventual collaboration of more OR national societies in the study,

then the answering period is being extended until: **31-October-2015!**

Significant improvements in OR/MS Education have appeared in the last few years, but further developments and applications are still needed. In particular, the key factors related to OR/MS programs in higher education (HE) should be outlined. Considering the international cooperation context, fellow partners from some European institutions are combining efforts in this study on OR/MS Education.

The main purpose of this study is to contribute to an overview of good practices in OR/MS education at European level. A kick-off survey aims to learn from the most recent developments in the enrolment of students, the reduction in 1st year students' failure rates and the promotion of continuity, the value of OR/MS courses as perceived within HE programs, and the transition of graduates onto the Labour Market.

This survey is directed at HE boards, deans and school directors, OR/MS program coordinators, course developers, professors, researchers, and other OR/MS professionals, and it is carried out with the collaboration of several European organizations and OR/MS national associations.

The main survey results are to be presented during OR/MS meetings, at national or European level, in concordance with the collaborating institutions and the OR/MS national societies. In addition, interviews or further questionnaires may be considered to clarify specific issues or topics as and when they arise.

[The country information is crucial!]

Please **tick the identification box (question #23) before submitting the survey**. Note that:

- * The telephone **country-code** can be introduced in field 23-C; the consultation is nonetheless anonymous!
- * The text-box in 23-F can be useful for comments and suggestions.

Thanks to the support of Springer-Verlag, 60 randomly chosen respondents will receive an electronic copy of the book



Springer

from the series

**EURO Advanced Tutorials on Operational Research:
Linear and Mixed Integer Programming for Portfolio Optimization.**

Authors: **Mansini, Renata, Ogryczak, Włodzimierz, Speranza, Grazia.**

Completion of the survey should take no more than 10 minutes.

Contact ORMS.education@ipportalegre.pt to share your suggestions with us.

The survey will be open until **31-October-2015** through the EU's survey portal:
<https://ec.europa.eu/eusurvey/runner/ORMSeducation>

ELAVIO XX

Cali, Colombia, May 9-13, 2016

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<http://ifors.org/web/elavio-2016/>



EURO is pleased to announce the travel-sponsorship of up to two participants to join the ELAVIO XX (ELAVIO 2016) - Latin-American Summer School in Operations Research.

ELAVIO 2016 will take place in the city of Cali, Colombia, between 9 and 13 May 2016.

The ELAVIOs are schools supported by ALIO (the Latin-Iberoamerican Association of Operations Research) and mainly are addressed to young researchers and postgraduate students (both at the PhD and master level) from Latin-Iberoamerican countries. However, Ph.D. students from all over the world with excellent skills and special interest in the areas of Operations Research, Informatics, and Applied Mathematics are also welcome to apply.

The ELAVIO 2016 will take place in Cali which is known as the "world capital of salsa" and is the third largest city in Colombia with about 2.5 million inhabitants. Cali has a cultural, culinary and tourist offer that will significantly enrich the experience for participants. Host universities will be the Universidad del Valle (School of Industrial Engineering) and the Pontificia Universidad Javeriana (Department of Civil and Industrial Engineering), two of the main centers of scientific research in the region and the country. The event is also co-organized by the Universidad de Medellín (Department of Basics Sciences) and the Universidad de Antioquia (Department of Industrial Engineering).

ELAVIO 2016 will be held at the "Casa Santa Maria de los Farallones" Foundation (better known as "Casa de las Palmas"), which is a convention center for personal development managed by the Pontificia Universidad Javeriana of Cali.

ELAVIO 2016 will include mini-courses, invited talks, as well as discussion panels where participants can share their research advances, open problems, and related issues. Selected contributed papers from participants will be presented in special tracks.

Research topics of the school include, but are not limited to:

1. Combinatorial optimization and polyhedral theory; linear, nonlinear and integer programming.
2. Metaheuristics and its applications.
3. Discrete, continuous and agent based simulation, stochastic processes and probabilistic models.
4. Applications of operational research to problem solving in the areas of sustainability, health care, logistics, agroindustry, engineering, telecommunications, finance and production, among others.

The official languages of the school are: English, Spanish and Portuguese. Talks and lectures will be either in English or in Spanish (in the latter case with English slides). Candidates selected **MUST** be proficient in both Spanish and English. More details with regard to this topic will be published on the website.

REGISTRATION AND GRANTS:

Students interested in applying for travel grant must send the following documents (pdf file format) to their (EURO) National OR Society:

- short curriculum vitae to include evidence of language proficiency in Spanish and English;
- a recommendation letter from an academic of the applicant's university or institute;
- summary (max. 2 pages) of a work to present at the school in case of acceptance.

Important dates:

- 30/11/2015** deadline for applications to be sent to (EURO) National OR Society;
- 20/12/2015 deadline for the (EURO) National Society to submit the candidates to the IFORS VP;
- 10/01/2016 - submission of the candidates to ELAVIO organizers;
- 30/01/2016 - deadline for confirming participation
- 9-13/05/2015 - ELAVIO 2016.

The accepted candidates will receive the travel grant from EURO and accommodation grant from ELAVIO.

<https://www.euro-online.org/web/pages/458/>

Imagine twenty to twenty-five promising young researchers spending two weeks together to discuss and develop their research ideas, under the supervision of top scientists in their field. This is exactly what a EURO Summer or Winter Institute (ESWI) is. For all young researchers who take part in a ESWI, this is a life-changing experience with an enormous impact on their scientific career. For many of them, "their" ESWI is where they develop their research network, and improve their research skills, both of which will help them tremendously in later life. The organizers of a ESWI, gain an extremely rewarding experience: to help launch the research careers of their younger colleagues.

Since 1984, EURO Summer/Winter Institutes (ESWI) have been one of EURO's main instruments to invest in the future of Operational Research. The continuing success of this instrument, however, relies crucially on people within the OR community to organize the institutes. This message is a warm call to interested candidates to apply for the organization of a EURO Summer or Winter Institute.

Two ESWIs can be organized every year, and EURO provides considerable financial support of up to €25.000 (€1000 per participant). More information, including the application procedure, can be found on the [EURO website](#).

If you are interested (or know someone who might be interested) to organize a EURO Summer or Winter Institute, or if you have any further questions, please contact Kenneth Sørensen, EURO Vice President 2 (VP2@euro-online.org).

Conferences and Meetings



28th European Conference on Operational Research EURO 2016



The Association of European
Operational Research Societies

Poznań, Poland, July 3-6, 2016

<http://www.euro2016.poznan.pl/>

We have the great pleasure of inviting you to take part in the 28th EURO Conference to be held in Poznan, Poland on 3-6 July, 2016.

The Program and Organizing Committees (<http://www.euro2016.poznan.pl/committees/>), chaired by Daniele Vigo and Joanna Józefowska, are preparing a high quality scientific program and an exciting social program for the Conference.

We are convinced that the EURO XXVIII Conference will be an excellent opportunity for the OR community to get together again in a pleasant atmosphere, and, thus, we are looking forward to meeting you in Poznan, the first capital of Poland, in 2016!

PLENARY, KEYNOTE & TUTORIAL SPEAKERS:

Plenary Speakers announced:

Robert Aumann (Hebrew University of Jerusalem)
Dimitris Bertsimas (MIT)
Rolf Möhring (TU Berlin)

In addition, several outstanding Keynote & Tutorial Speakers will present the state-of-the-art in Operations Research and outline pathways of its future developments. More information on their presentations will be announced soon. Please follow up further information at the EURO XXVIII Conference webpage (<http://www.euro2016.poznan.pl/speakers/>).

CALL FOR PAPERS AND SESSIONS:

Researchers, academics, practitioners, and students interested in any branch of Operational Research, mathematical modelling or economic analysis are invited to submit abstracts or organize sessions.

Invited and contributed papers will be organized in parallel sessions. In general, sessions will be a part of the Conference streams, and streams are grouped in 25 areas. The list of areas and streams can be followed at: <http://www.euro2016.poznan.pl/areas/>

No participant can present more than one paper at the Conference.
Abstract submission system is available online, via the Conference web page

(<http://www.euro2016.poznan.pl/abstract-submission> or <https://www.euro-online.org/conf/euro28/>).

Abstracts: max. 1500 characters; submission deadline: **March 1, 2016**.

Researchers who wish to organize a stream or an invited session or contribute with a paper within an invited session should contact a PC member of the corresponding area.

MAKING AN IMPACT:

Following the path successfully initiated in EURO 2015, we plan to continue the effort in bridging the gap between academics and practitioners in the OR/MS field by organizing several presentation streams and other activities within the "Making an Impact" initiative.

IMPORTANT DATES:

Abstracts:

Abstract submission start: Wednesday, October 1, 2015

Abstract submission deadline: Tuesday, **March 1, 2016**

Registration:

Registration and accommodation booking start: Monday, November 2, 2015

Early registration deadline: Friday, April 1, 2016

Author registration deadline: Friday, April 15, 2016

REGISTRATION FEES:

Regular: 375 EUR (early); 500 EUR (late),

Student: 200 EUR (early); 300 EUR (late),

Accompanying persons: 130 EUR.

Early registration ends April 1, 2016.

The regular/student registration fee includes:

Participation in all sessions, and access to the exhibition area,

Conference materials (Final Program, Book of Abstracts in appropriate format),

Participation in the Welcome Reception, July 3,

Coffee breaks and lunches, July 4-6,

3-day city public transportation card (with badges).

The registration fee for accompanying persons includes:

Participation in the Welcome Reception,

Lunches, July 4-6,

Poznan City tour,

3-day city public transportation card (with badges).

The Gala dinner is charged separately, at 70 Euros per person.

Registration system will be available online from November 2, 2015 via the Conference web page

(www.euro2016.poznan.pl/registration/).

FURTHER INFORMATION:

For detailed information about Poznan, please, visit the Conference webpage www.euro2016.poznan.pl/

Further proposals for Book or Software Exhibitions are welcome.

We look forward to welcoming you to our very exciting conference in Poznan!

Prof. Dr. Joanna Józefowska and Prof. Dr. Daniele Vigo

For any further information please contact:

CONFERENCE SECRETARIAT:

Międzynarodowe Targi Poznańskie sp. z o.o. / Poznan International Fair Ltd.

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60-734 Poznan, Polska / Poland

ph. + 48 61 869 29 38

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web: www.euro2016.poznan.pl

EURO PhD School on Matheuristics and Web-
Services

Lorient, France, 20-28 April, 2016

<http://www.univ-ubs.fr/eps2016/>

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LOCATION AND DATES

The EURO PhD School on Matheuristics and Web-Services will take place in the Université de Bretagne-Sud, Lorient, France, from April 20 to April 28, 2016. Deadline for application is **November 30th, 2015**.

SCOPE AND ORGANIZATION

The EURO PhD School 2016 is a gathering of PhD students and young researchers working on the field of *Operations Research*. During one week, participants will explore the challenging domain of *Matheuristics* along with its application to the *Vehicle Routing Problem (VRP)*. Additionally, participants will learn how to make their algorithms available to the research community by means of *web services*. The EPS2016 will be hosted by the Operations Research Group <<http://or-labsticc.univ-ubs.fr/>> of the Université de Bretagne-Sud <<http://www.univ-ubs.fr/>> in Lorient, France from *April 20th to 28th, 2016*. This event is organized with the financial support of EURO (The Association of European Operational Research Societies) <<https://www.euro-online.org/>>.

ELIGIBILITY

Participants must be from a EURO member society country (see list on <https://www.euro-online.org/>), or must be studying in a EURO member society country. They have to be enrolled in a PhD program and, preferably, in an early stage of their studies (first or second year). A maximum number of 20 participants will be accepted (depending on the number of application, this limit might be extended but should stay in a reasonable range). Each participant will be granted with 5 ECTS credits and will receive a diploma for his/her participation to the EURO PhD School.

SCIENTIFIC PREREQUISITES

Interested students should have notions of linear programming, mixed integer linear programming, metaheuristics and a programming language (preferably C++).

APPLICATION

Interested students should send the following documents to eps2016@listes.univ-ubs.fr by **November 30th, 2015**: Curriculum vitae (2-5 pages); Motivation to attend the school; A recommendation letter from the supervisor (please visit the website for the complete list of documents required).

A registration fee of 350€ will be asked to the participants, and thanks to the Sponsors, this low fee will cover the costs of accommodation, coffee breaks, lunches and dinners (except on Sunday evening). Accommodation will be offered in a shared room with twin beds.



EURO Working Group European Network
Optimization Group
5th Winter School on Network Optimization
Estoril, Portugal, 11-15 January, 2016

<http://www.fc.ul.pt/pt/netopt2016>

The 5th edition of the Winter School on Network Optimization will take place at the Hotel Sana, Estoril, from the 11th to the 15th of January 2016. Its main objective is to provide an opportunity for PhD students to get together and attend high level courses in the field of Network Optimization. Non-PhD students are welcome to attend the school, but the number of participants is limited and priority will be given to PhD students. In this edition of the school, the lecturers and subjects to be addressed are:

Karen Aardal (Univ. Delft): Algorithms for facility location problems
Tolga Bektas (Univ. Southampton): Compact formulations, projections and some polyhedral results for the vehicle routing problem
Elena Fernandez (Univ. Politècnica de Catalunya): Hub location and optimum communication spanning trees: models, formulations and solution techniques
Martine Labbé (Univ. Libre de Bruxelles): Bilevel programming: Stackelberg games and pricing problems
Ivana Ljubic (Univ. Vienna): Solving (uniform) Steiner trees and related problems to optimality

Since the first edition in 2009, the school has been part of the activities of the CIO (Centro de Investigação Operacional) University of Lisbon as well as of the ENOG (European Network Optimization Group). Recently, CIO has been merged with the Centro de Matemática e Aplicações Fundamentais (CMAF). The event will become part of the activities of the new CMAF+CIO and is also endorsed by the EURO (the Association of European Societies) and APDIO (the Portuguese OR society).

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Submission

Deadline: **30th October 2015**

Potential participants are invited to submit their CVs to NetOpt2016@fc.ul.pt. After a short period of evaluation, the participants will be notified and invited to register.

EURO Working Group on Vehicle Routing and Logistics Optimization

VeRoLog 2016

Nantes, France, 6-8 June, 2016

<http://verolog2016.sciencesconf.org/>

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VeRoLog
EURO Working Group
on Vehicle Routing and
Logistics Optimization

The fifth meeting of the EURO Working Group on Vehicle Routing and Logistics Optimization will take place at the Mines Nantes Graduate School of Engineering, in Nantes 6-8 June 2016.

The VeRoLog conference is an annual meeting bringing together the large community of researchers and practitioners interested in vehicle routing optimization and its relationship with logistics. The conference is open to high quality methodological contributions, relevant real-world applications, and case studies from industry and the service sector.

Abstract submission

To participate, an abstract of 1/3 page (max. 250 words) must be submitted electronically via the link "Submissions". Accepted abstracts with a registered presenter will be included in the book of abstracts. At most one presentation per registered participant will be accepted. All selected abstracts will be presented within parallel sessions during the conference.

Selected high quality papers will be included in special issues of international journals edited after the conference.

Keynote speakers

Michael Hewitt (Loyola University Chicago)
Recent advances in service network design

Stefan Ropke (Technical University of Denmark)
10 years of Adaptive Large Neighborhood Search (ALNS)

Important dates

Jan 06, 2016: submission deadline
March 01, 2016: acceptance notification
April 01, 2016: camera ready submission deadline
April 15, 2016: early bird registration closes
May 18, 2016: registration closes

Registration

Early student: 250 euros
Late Student: 350 euros
Early regular: 350 euros
Late regular: 450 euros

The fee includes lunch and coffee breaks, the social program and conference dinner.

Follow us on Facebook and Twitter:

<http://www.facebook.com/verolog2016>

<http://www.twitter.com/verolog2016>

EngOpt 2016, the 5th International Conference on Engineering Optimization

Iguassu Falls, Brazil, 19-23 June, 2016

www.engopt.org

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Is my pleasure to announce that ABSTRACT SUBMISSION is now open.

Please submit your abstract in our site: www.engopt.org

***15th January 2016** - Deadline for the short abstract, to be included in the proceedings book of the conference (Up to 3200 characters including spaces, written in plain text, without mathematical formulas).

*Notification for paper acceptance: 15 days after submission

UPDATED INFORMATION ABOUT ACOMODATIONS IS NOW AVAILABLE IN OUR SITE

Engopt 2016 is organized by:

Federal University of Rio de Janeiro

As in previous editions, EngOpt is endorsed by:

EUROPT - EURO Working Group on Continuous Optimization

ISSMO - International Society for Structural and Multidisciplinary Optimization

IFORS - International Federation of Operational Research Societies

MOS - Mathematical Optimization Society

EURO Working Group on Transportation

EWGT 2016

Istanbul, Turkey, 5-7 September, 2016

<http://ewgt2016.itu.edu.tr/>

Since 1992, the annual meeting of the EURO Working Group on Transportation (EWGT) has been a unique opportunity for attendants to share theoretical and applied research results in the analysis, modeling, control, and management of transportation and logistics systems. The 19th EURO Working Group on Transportation Meeting (EWGT2016) will offer keynote plenary talks; workshops; tutorials; and oral presentations from academics, industry experts, students, and representatives of government agencies to discuss recent methodological developments and application challenges in traffic, transportation, and logistics systems. In conjunction with the motivation of the EURO Working Group on Transportation, the main theme for the conference has been specified as the "**Simulation and Optimization of Traffic and Transportation Systems**". Please see the website for a list of suggested topics.

Deadline for extended abstract submission is **January 20, 2016**. Please check [important dates](#) for the overall paper evaluation process.

All submitted papers will be peer-reviewed. Accepted and registered full papers will appear in [Transportation Research Procedia](#) published by Elsevier.

The conference is organized by the Transportation Working Group of the Istanbul Technical University, under the patronage of the EURO Working Group on Transportation (EWGT), the Association of European Operational Research Societies (EURO), and Istanbul Technical University (ITU).

Follow us [@EWGT2016](#) at Twitter to get prompt updates!

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UK OR Society

8th Simulation Workshop SW16

Stratford-Upon-Avon, UK, 11-13 April,
2016



<http://www.theorsociety.com/SW16>

Held in cooperation with: The INFORMS Simulation Society and
The Society for Modeling and Simulation International (SCS).

A reminder that we are now calling for submissions of full papers, tutorials and posters to the 8th simulation workshop takes place 11-13th April 2016 at Ettington chase hotel, Stratford-upon-avon.

Paper and poster guidelines can be found here: <http://goo.gl/HZRS4Z>

Unsure if you are going to submit a paper to SW16? Here are five reasons why you should: <https://goo.gl/BfOwTi>

TIMETABLE AND DEADLINES

23 October 2015: Submit electronically contributed papers not previously published or presented. Each submission must be a 4-10 page paper (10-15 pages for the beginner/advanced tutorial stream), including an abstract of less than 150 words. Submission implies that an author will pay to attend the workshop to present the paper, and all clearance required for publication of the paper will be obtained by 12 February, 2016.

15 January 2016: Contributors will be notified whether or not their paper has been accepted.

15 January 2016: Submit Poster title and abstract of 150 words. These should be submitted using the electronic submission form for full contributed papers. Submission implies that an author will register and pay to attend the conference. Posters abstracts will be published in the conference proceedings and should follow the guidelines for conference papers.

12 February 2016: Authors provide the final manuscript for inclusion in the conference proceedings. These should be in the format required for the conference.

If you require any further information on paper or poster submission, please contact the programme or poster chairs <http://goo.gl/rwbvsP>

INFORMS Telecommunications Conference

Boca Raton, FL., 20-22 March, 2016



<https://sites.psu.edu/informstelecom2016/>

The Thirteenth INFORMS Telecommunications Conference will be held March 20-22, 2016 at the Renaissance Boca Raton, Boca Raton, FL.

In the tradition of the previous conferences, the conference will focus on the theory and application of operations research and management science to problems in telecommunications, with particular emphasis on new and emerging technologies.

The conference is organized by the INFORMS Technical Section on Telecommunications.

IMPORTANT DATES

- ***January 31, 2016:** Session, tutorial and single abstract submission deadline
- *February 15, 2016: Notification of acceptance
- *February 28, 2016: Early registration deadline
- *March 20-22, 2016: 2016 INFORMS Telecommunications Conference
- *April 30, 2016: Full paper submission deadline.

GUIDELINES FOR SUBMISSION

Three kinds of submissions are invited, i.e., a proposal can be submitted for:

- *an organized session with 3 or 4 presentations;
- *a tutorial presentation;
- *a single presentation.

An abstract of a maximum of 2000 characters not containing formulas, references or abbreviations is required for each presentation (whether it is a single presentation, a tutorial or part of an organized session). All abstracts should be submitted through the online submission system: <https://www.euro-online.org/conf/telecom2016/>.

Proposals for organized sessions can be submitted directly to telecom2016@euro-online.org.

POST-CONFERENCE PROCEEDINGS

A post-conference proceedings volumes with full papers will be published. The deadline for submission is April 30, 2016. A specific call for papers will be issued soon.

Ninth Triennial Symposium on Transportation Analysis (TRISTAN IX)

Oranjestad, Aruba, 13-17 June, 2016

<http://tristan-symposium.org/>

We are pleased to invite you to participate in the ninth Triennial Symposium on Transportation Analysis (TRISTAN IX). TRISTAN is an international scientific conference that provides a high-quality forum for the presentation of mathematical models, methodologies and computational results, and for the exchange of ideas and scientific discussions on advanced applications and technologies in transportation. TRISTAN IX will be held June 13 through 17, 2016, on the island of Aruba.

We hope to welcome you at TRISTAN 2016.

Abstract submission:

Please submit your extended abstract of at most 4 pages via EasyChair:

<http://easychair.org/conferences/?conf=tristan2016>

Keynotes Speakers:

David Watling, Centenary Professor of Transport Analysis / Postgraduate Research Tutor, University of Leeds

Martin Savelsbergh, James C. Edenfield Chair and Professor at the H. Milton Stewart School of Industrial & Systems Engineering, Georgia Tech

Cathy Macharis, Professor at the Vrije Universiteit Brussel, Mobility, Logistics and Automotive Technology Research Centre

Important dates:

15-11-2015 - Abstract submission deadline (extended deadline)

01-02-2016 - Notification of acceptance

01-04-2016 - Registration deadline for presenters

Registration: regular, non presenting student

Early: \$795, \$675

Late: \$925, \$805

Registration includes all sessions, welcome reception, 5 lunches, coffee breaks, conference dinner and social program

8th IFAC Conference on Manufacturing Modelling, Management, and Control (MIM 2016)

Troyes, France, 28-30 June, 2018

Technically supported by *IEEE, IFORS, IFIP, INFORMS* and *SCS, SEE, GDR MACS, GDR RO*

<http://mim2016.utt.fr/>

Three Invited Sessions are proposed on Transport and logistics:

1) **Vehicle Routing for services provision** (*invited sessions code **f2y51*) chaired by Nacima Labadie, Renata Mansini, Jan Melechovsky

The role of transportation and logistics is well established in numerous manufacture industries. In the last years, the service sector has attracted more and more attention of both researchers and practitioners with a view to reduce costs, ensure quality of service as well as to meet the ever-growing needs of the population for services provision such as maintenance and repair services, tourist route planning, home health care and so on. This session is dedicated to academic works dealing with new models and algorithms as well as real case studies with the aim of establishing the recent advances of routing problems in these application areas.

/**/Key Words: /Operations Research; Supply chains and networks; Transportation science/

2) **Risk management and transportation** (*invited sessions code **q98j6*) chaired by H. Murat Afsar, Caroline Prodron, Nubia Velasco

In a world with conflicts, economic crisis, terrorism and instability, the strategic and operational risks related to transport and logistics are even more pronounced. As supply chains continue to become more global and complex, the risk of disruption intensifies. Yet while most companies recognize the increased risk potential, many are ill prepared to handle a disruption. All logistic activities imply risks that need to be evaluated and managed. One should identify and reduce these risks whilst minimizing their consequences and impacts. In transportation science, such problems can be regrouped: Risk management during transportation; Carrier delays and non-performance; Product safety during transportation; Lack of inventory; Logistic responses to potential risk events in unsafe environments; Disaster management and humanitarian logistics; Hazardous material transportation. In this session of Risk Management and Transportation, we encourage researchers who integrate risk identification, evaluation mitigation and minimization in transportation.

/**/Key Words: /Transportation science; Supply chains and networks; Operations Research/

3) **Green transportation logistics** (*invited sessions code **s12m3*) chaired by Philippe Lacomme, Daniele Vigo, Thibaut Vidal, Caroline Prodron

The main objective of logistics is to coordinate transport activities, storage, inventory management, handling, in order to meet customer requirements at minimum cost. If in the past, that cost was defined in purely monetary terms, today's environmental concerns encourage companies to take into account the indirect costs that affect pollution (water, air, noise, ...). The purpose of this session is to present recent academic research trends in green transportation logistics with new models and algorithms as well as real case studies. Potential themes include, but are not limited to: Green-VRP, Pollution Routing Problem, VRP in Reverse Logistics, Electrical VRP, Car pooling...

Key Words: /Transportation science; Supply chains and networks; Operations Research /

Important dates:

Invited papers submission deadline: **November 1st, 2015**

Notification of acceptance: February 1, 2016

Registration: March 31, 2016

Submission steps:

Click on "Submit a contribution to MIM 2016" on the following page

<https://ifac.papercept.net/conferences/scripts/start.pl>

Submit as "Invited paper".

Enter the "invited sessions code" corresponding to the targetted session.

More details about submissions are available at <http://mim2016.utt.fr/soumission.htm>

6th International Conference on Optimization and Control with Applications

Changsha, China, 12-14 December, 2015

<http://oca2015.csp.escience.cn/dct/page/65578>

The 6th OCA aims to provide an international forum for scientists, engineers, researchers, and practitioners to exchange ideas and approaches, to present research findings and state-of-the-art solutions, to share experiences on potentials and limits, and to open new avenues of research and developments, on all issues and topics related to optimization and control.

Interested participants are kindly requested to the [Abstract Submission section](#), and submit the title and abstract of his/her paper for presentation at the conference by **October 31st, 2015**.

All received manuscripts will be reviewed by the international Program Committee. After the conference, the authors are encouraged to revise and expand their papers to full papers, and then submit them to appropriate special issues of journals for this conference.

International Workshop on Bi-level Programming

IWOBIP'16

Nuevo Leon, Mexico, 7-11 March, 2016

<http://bi-level.fcm.uanl.mx>

The 1st International Workshop on Bi-level Programming (IWOBIP'16) will be held in Nuevo Leon, Mexico; from March 7th to 11th, 2016.

The main motivation for hosting the IWOBIP'16 is to bring together a group of researchers working on this topic. Also, to attract young researchers and graduated students (master and PhD students) who are specializing in Bi-level Programming.

The IWOBIP'16 will consist of plenary lectures and mini-courses, both given by world-renowned researchers. Furthermore, research conferences presented by attendees of the event will be offered. Among the topics of interest of the IWOBIP'16 are: theory, exact methods, heuristics algorithms and interesting applications modeled as bi-level programming problems.

Confirmed Plenary Speakers

*Martine Labbé (Université Libre de Bruxelles, Belgium)

*Boris Mordukhovich (Wayne State University, USA)

*Vyacheslav Kalashnikov (Tecnológico de Monterrey, Mexico)

Confirmed Mini-courses

*Stephan Dempe (TU Bergakademie Freiberg, Germany)

*Ankur Sinha (Indian Institute of Management Ahmedabad, India)

Scholarships:

We will have around 35 full scholarships (including accomodation and registration fee) for students participating in the workshop.

Important dates:

10/09/2015 --> Beginning for applications

30/11/2015 --> Deadline for applications

15/12/2015 --> Notification of acceptance/rejection and the type of scholarship

15/01/2016 --> Deadline for covering the registration fee

20/01/2016 --> Final confirmation of the attendees

12/02/2016 --> Publication of the complete program

05/03/2016 --> Beginning of the 1st International Workshop on Bi-level Programming

8th IMA Conference on Quantitative Modelling in the Management of Health and Social Care

Challenges and Opportunities in a Big Data Era

London, UK, 21-23 March, 2016

http://www.ima.org.uk/conferences/conferences_calendar/health_and_social_2015.html

Deadline: **18 December 2015**

Aim and Scope

Health and Social Care systems are facing major challenges worldwide, due in part to changes in demography and advances in technology and in part to changes in the structure and organisation of the system whether they are hospitals, general practitioners or long-term care settings. Yet running health and social care systems efficiently and effectively is crucial to improving or even maintaining our quality of life.

Over the years, extensive research has been conducted to find immediate and long-term solutions to issues that are routinely faced by health and social care professionals, such as waiting lists and bed capacity, hospital redesign, workforce planning and scheduling, patient flow, performance management, disease monitoring, and health care technology assessment. In addition, there has been an exponential growth in the generation of data whether routinely for administrative or financial purposes or more specifically for clinical or research purposes including through devices and sensors.

Quantitative modelling and computer simulation techniques have been shown to be increasingly valuable in providing useful information to aid planning and management however studies have often been limited in their attempts to exploit the wealth of data.

The aim of the conference is to bring together health care managers, clinicians, management consultants, and mathematicians, operational researchers, statisticians, health economists, computing and data scientists from across the world with a view to bridging the gap between the respective communities and to exploring recent developments in quantitative modelling and identifying fruitful avenues for further research.

Call for Papers

We invite researchers in all relevant problem domains and methodologies to submit abstracts of 300 words by Friday **18th December 2015** by e-mail to conferences@ima.org.uk. Case studies and methodological papers are both welcome. Please state whether your title is intended for oral or poster presentation. Authors of accepted abstracts will be notified by the end of January 2016. Poster presentations are particularly welcome as they stimulate discussion and feedback. We are also planning a special poster presentation session for research students and others to show their work in progress.

Invited Speakers

As usual the conference will feature a blend of internationally recognised academics, policy advisors, and decision makers from the health and social care sector.

Contact information

For conference queries please contact Lizzi Lake, Conference Officer

E-mail: conferences@ima.org.uk

Tel: +44 (0) 1702 354 020

Institute of Mathematics and its Applications, Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex, SS1 1EF, UK.

Second Karlsruhe Service Summit Research Workshop - KSS 2016

Karlsruhe, Germany, 25-26 February, 2016

<http://service-summit.ksri.kit.edu/>

Scope

The Karlsruhe Service Summit Research Workshop is hosted by KSRI (Karlsruhe Service Research Institute) to provide a service innovation hub for researchers and practitioners in the fields of business engineering, economics, computer science, information systems, operations research, logistics and social sciences. The objective of the second KSS Research Workshop is to foster academic and interdisciplinary discourse and networking amongst different generations of researchers from the field of service science. In order to achieve this objective, stimulation of academic scholarship, discussions of ideas as well as dialogue among students and researchers from different countries, disciplines and seniority is intended. The workshop commences on the first day with a focus on tutorial sessions while the second day will focus on the workshop presentations.

Paper Submission

We invite submissions of theoretical and/or empirical research dealing with one or several of the subsequent four workshop's pillars. Of particular interest are submissions related to the significant topics energy, mobility, health care, participation, social collaboration, crowdfunding, and smart services used in an increasingly digitized world. We especially encourage submissions with an integrative perspective. All submitted short papers (up to 6 pages in the template provided online) will be blind peer reviewed by at least two members of the program committee. The selected submissions will be published in post workshop proceedings of the KSS 2016. Please submit via

easyChair: <https://www.easychair.org/conferences/?conf=kss2016>

Additionally, we consider eligible papers to be extended for submission to Service Science, an INFORMS journal (<http://pubsonline.informs.org/journal/serv>).

Important Dates

2015-11-08 Paper Submission

2015-12-21 Notification of Acceptance

2016-01-18 Final Paper Submission and Authors' Registration

2016-02-25/26 Workshop Date

LAND - TRANSLOG III

Joint Workshop on Location and Network Design - Transportation and Logistic

Santa Cruz, Chile, 13-17 March, 2016

www.land-translog.cl

The Complex Engineering Systems Institute (ISCI) has the pleasure to announce the Workshop LAND - TRANSLOG III, a special joint workshop, which is a continuation of a series of previous successful events that were held in 2009 and 2011 in Chile, and invites you to submit an abstract.

The goal of the first LAND workshop, held in March 2009, was to gather together researchers in the fields of Location and Network Design. In parallel, the TRANSLOG Workshop, organized in December 2009, focused on Transportation and Logistics. However, it included topics that overlapped with those in the LAND Workshop, and attracted people that would feel comfortable attending both workshops. In December 2011 we took one more step in promoting interaction and exchange of ideas among people coming from the two fields, and organized the joint event LAND-TRANSLOG II, which was very successful in exploring common interests and learning how researchers from other fields address the same or similar problems. In 2013, our group also organized the last TRISTAN Conference in the North of Chile. After that effort, and with the intention of keeping continuity in this interaction of very interesting and fruitful research topics, we decided to organize a new version of the LAND - TRANSLOG series, to be held in the Hotel Santa Cruz Plaza, in the beautiful town of Santa Cruz-Chile, on March 13 - 17 next year.

Presentations are encouraged focusing on theory, modeling or applications of Location and Network Design, including but not limited to Health, Energy, Telecommunications, Retail, Natural Resources, Environment, etc.; presentations dealing with methodology, including exact methods, heuristics and simulation are also welcome. From the transport and logistics side, the workshop will include topics spanning classic problems in transportation and logistics, planning and control strategies, fleet management, routing, timetabling and vehicle scheduling, crew scheduling, real-time optimization of operational schemes, among other areas of interest.

Confirmed Speakers

*Richard Church, University of California-Santa Barbara

*Leandro Coelho, Université Laval, Quebec

*Michel Gendreau, École Polytechnique de Montréal

*Abilio Lucena, Universidad Federal do Rio de Janeiro

*Vladimir Marianov, Pontifica Universidad Católica de Chile

*Stefan Nickel, Karlsruhe Institute of Technology

*George Nemhauser, Georgia Institute of Technology
*Mikael Ronqvist, Université Laval, Quebec
*Vedat Verter, McGill University, Montréal

Important Dates & General Information

*Abstract submission: **October 20th, 2015**
*Maximum abstract length: 500 words
*Acceptance date: November 15th, 2015
*Workshop: March 13-17, 2016
*Early Registration: January 10th, 2016
*Venue: Hotel Santa Cruz Plaza, Santa Cruz, Chile

XIV International Conference on Stochastic Programming Búzios, Brazil, 25 June - 1 July, 2016

<http://icsp2016.sciencesconf.org/>

The XIV International Conference on Stochastic Programming will take place in Búzios, a charming town 160km from Rio de Janeiro, Brazil, from June 25 to July 1, 2016.

A two-day introductory series of tutorials held during the weekend precedes the main conference to provide sufficient background in Stochastic Programming. The conference is developed over the next five week days with parallel sections, plenary talks from recognized leading researchers in stochastic optimization and a set of mini symposia, featuring recent contributions on state-of-the-art topics.

Submission of Individual Contributions (including posters).
From October 1st, 2015 to **January 15th, 2016**

Publications

European Journal of Operational Research (EJOR)



Special Issue: Call for Papers on Community Operational Research: Innovations, Internationalization and Agenda-Setting Applications

Guest Editors:
Michael Johnson, Gerald Midgley

Deadline for submission of proposals: **October 30, 2015**

<http://www.journals.elsevier.com/european-journal-of-operational-research/call-for-papers/call-for-paper-community-operational-research-innovations-in/>

OR practitioners have had an interest in supporting community development for almost half a century - well before the term 'community operational research' was first coined in the mid-1980s. While the initial focus in the 80s was OR serving community groups (grass-roots citizen movements), it quickly became evident that communities often wanted to address highly complex social and environmental issues that required the involvement of public, private and voluntary sector organizations too. Indeed, projects were often initiated and funded by these organizations. Nevertheless, the defining feature of Community OR remained the meaningful engagement of communities and concerned citizens.

Community OR is now at an exciting point in its development, with the potential for major innovations. This is because of a renewed interest in both Europe and the USA, which coincides with growing activity in pro-bono (volunteer) OR and a diversification of applications in developing countries. In addition, the increasing importance of environmental issues to local and global communities offers new opportunities to support those communities in making a difference. Finally, new approaches to data analytics offer the potential for innovation but also bring with them a significant challenge: how to 'democratize' their use so communities, and not just large public and private sector organizations, can directly benefit. These are the contexts in which we call for papers for a special issue of EJOR on Community OR, focused on innovations, internationalization and agenda-setting applications.

The Editors of this special issue of EJOR are Michael Johnson (University of Massachusetts Boston, USA) and Gerald

Midgley (University of Hull, UK). They have each edited books on Community OR that have consolidated and promoted the field on their own sides of the Atlantic (Midgley and Ochoa-Arias, 2004; Johnson, 2012). Their collaboration on editing this special issue marks a desire, not only to share learning across the USA and Europe, but also to form a truly global research community, showcasing a wide range of international innovations and applications.

Submissions to this special issue may be on any area of the theory, methodology and application of Community OR, using any relevant methods, and working with any kinds of organization - as long as the needs and involvement of communities and citizens remain central. The editors welcome papers that reflect on how to address the concerns of disadvantaged or marginalized communities, and we are especially interested in papers that are able to ground their analyses in examples of Community OR practice. The projects reported may represent the localized concerns of communities, but the theories, methodologies, methods and solutions developed to understand and address those concerns should have the potential to inform scholarship and practice around the world.

The special issue editors welcome proposals of 1-2 pages by **30 October 2015**, and those writing the most compelling proposals will be invited to work them up into full papers. Manuscripts will be expected by **31 July 2016**. All submissions will need to conform to the usual requirements of EJOR and will be peer reviewed as normal. We plan for the special issue to be finalized by early 2017. Please direct inquiries to Michael Johnson (michael.johnson@umb.edu) or Gerald Midgley (G.R.Midgley@hull.ac.uk).

References

Johnson M (ed.) (2012). Community-Based Operations Research: Decision Modeling for Local Impact and Diverse Populations. Springer, Boston MA.

Midgley G and Ochoa-Arias AE (eds.) (2004). Community Operational Research: OR and Systems Thinking for Community Development. Kluwer, New York.

EURO Journal on Decision Processes (EJDP)



Special Issue: Call for Papers on Advances in Behavioural Research on Supported Decision Processes

Guest Editors:

Gilberto Montibeller and Jyrki Wallenius

Deadline for submission: **October 31, 2015**

<https://www.euro-online.org/web/pages/1509/>

Motivation

Behavioural decision research has its roots in the writings of Ward Edwards and Herbert Simon in the 1950's and 1960's. Other early contributors are Daniel Kahneman and Amos Tversky who made breakthroughs on behavioural decision heuristics and biases in the 1970's and 1980's. These scholars called for behavioural realism in decision support tools. Still, it is only recently that the importance of behavioural decision research has received significant attention in the Operational Research (OR) community, as evidenced, for instance, by the creation of the EURO Working Group on Behavioural OR, led by Alberto Franco and Raimo Hämmäläinen.

The early research on behavioural decision theory emphasized the descriptive aspects of decision-making and unsupported decision processes. The pragmatic OR approach, in contrast, is focused on models and tools for supporting decision processes. This approach will be more successful when it builds on a better understanding of how supported decisions are made and how behavioural issues impact the development and use of tools for decision support.

This Special Issue presents major advances in behavioural decision research in relation to OR methods and tools. For instance, the elicitation of preferences and judgements involves behavioural biases; choices in optimization modelling depend on the analyst's judgements; facilitated decision modeling is influenced by group behaviour but also affects group dynamics; and decision support systems are guided by the users' behaviour. While there is an extensive psychological literature on behavioural issues in unsupported decision making, these issues are understudied in the context of supported decision making.

Contents

We invite submissions which focus on behavioural decision research in the context of supported decision processes. We welcome both empirical and theoretical contributions. Topics of particular interest may include, but are not limited to:

*What behavioural assumptions are reasonable in developing and using prescriptive decision tools?

- *Which methods of quantifying uncertainties and preferences are normatively sound?
- *How can debiasing tools reduce behavioural biases in eliciting judgments?
- *How do group dynamics and behavioural biases affect facilitated group decision making?
- *How can behavioural biases in the use of decision support systems be mitigated?

Schedule

Prospective authors are welcome to submit a [full paper](#) to the EJDP Editorial Manager (<https://www.editorialmanager.com/ejdp>, article type **SI: Advances in Behavioral Research on Supported Decision Processes**). Alternatively they may send the Guest Editors a [three-page extended abstract](#) describing their proposed contribution (email Jyrki.Wallenius@aalto.fi) for feedback (prior to sending the full paper). The planned schedule is as follows:

October 31st, 2015 Extended abstracts
 End of February 2016 Deadline for the submission of full papers
 3rd quarter, 2016 Final decision notification
 End of 2016 Publication of the Special Issue

EURO Journal on Computational Optimization (EJCO)



Special Issue: Call for Papers on Computational Advances in Combinatorial Optimization

Guest Editors:

Salvatore Greco, Silvano Martello and Benedetto Matarazzo

Deadline for submission: **December 15, 2015**

<https://www.euro-online.org/web/pages/1584/>

This special issue will present recent computational advances in all areas of Combinatorial Optimization. The issue will be based on contributions presented at ECCO XXVIII (Catania, May 28-30, 2015), but the invitation to submit is extended to all ECCO and CO members.

The main topics of interest are (but not restricted to):

- *Exact algorithms
- *Approximation algorithms
- *Heuristics
- *Metaheuristics
- *Mathematical programming
- *Graphs and networks
- *Scheduling
- *Multi-criteria combinatorial optimization
- *Real world applications

Submissions must have some computational aspect (as per the journal name).

All articles will be thoroughly refereed according to the high standards of the EURO Journal on Computational Optimization.

To submit your paper to this special issue,

1. Log on the editorial manager using the Author Login via the website <https://www.editorialmanager.com/ejco/>
2. Select Submit New Manuscript in the main menu.
3. In the drop down list associated with Choose Article Type, select ("**SI: Computational Advances in CO**").

Accepted papers will be published online individually, before print publication.

Optimization: A Journal of Mathematical Programming and Operations Research



Special Issue: Call for Papers on Making an Impact with Optimization

Guest Editors:

Kerem Akartunali, Marco Laumanns, Gerhard-Wilhelm Weber

Deadline for submission: **October 31, 2015**

On the occasion of the 27th European Conference on Operational Research, **EURO XXVII**, which took place on July 12-15, 2015, in Glasgow, the journal Optimization invites you to submit high quality original research papers to a special issue on Optimization models and techniques for making an impact, corresponding to a major theme of EURO XXVII.

The special issue focuses primarily on papers developing new optimization models, modeling features and/or solution techniques that were driven by the need of a particular application, as well as showing the impact these models and algorithms had for the application.

Techniques can be drawn from all areas of optimization, including:

- *linear programming
- *semidefinite and conic programming
- *semiinfinite programming
- *stochastic programming
- *global optimization
- *nonlinear and nonsmooth optimization
- *multiobjective optimization
- *robust optimization
- *integer and mixed-integer programming
- *mixed-integer non-linear programming
- *game theory
- *dynamic optimization and stochastic control

In order to publish in Optimization, a strong theoretical contribution of the submitted paper is required.

Optimization is abstracted and indexed in the following databases: Astrophysics Data System, SciBase, British Library Inside, Cambridge Scientific Abstracts, EBSCO Databases, ISI Current Contents, Physical, Chemical and Earth Sciences, Mathematical Reviews/MathSciNet, New Jour, Science Citation Index Expanded, Zentralblatt MATH/Mathematics Abstracts and Zetoc.

Submission Instructions

Participants of EURO XXVII are cordially invited to submit high quality original research papers. Please note that only contributions of registered participants can be accepted. The format of manuscripts for Optimization as well as guidelines and templates can be found on the journal's webpage. Each manuscript has to be submitted via the online submission system: <http://mc.manuscriptcentral.com/gopt>. Detailed instructions are provided during the submission process.

During the submission process authors have to answer the question 'Is the manuscript a candidate for a special issue?' Please tick 'yes' and select EURO 2015 from the list.

Editorial information

Kerem Akartunali, University of Strathclyde, UK (kerem.akartunali@strath.ac.uk)

Marco Laumanns, IBM Research, Switzerland (mlm@zurich.ibm.com)

Gerhard-Wilhelm Weber, Middle East Technical University, Turkey (gweber@metu.edu)

Please check the following page for call details and updates:

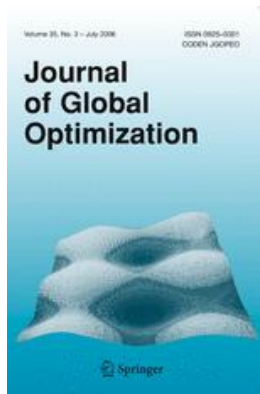
<http://explore.tandfonline.com/cfp/est/gopt-special-issue-making-an-impact-with-optimization>

Journal of Global Optimization

Special Issue: Call for Papers on Global Optimization applied to Healthcare Problems

Guest Editors:

Joana Dias, Humberto Rocha, Ana Viana



Deadline for submission: **October 31, 2015**

Recent advances in medicine allow us to live longer and healthier lives. These advances have been made possible through the joint contribution of very different scientific fields. Healthcare is nowadays better understood as a multidisciplinary field, with increasing number of challenges that can be better tackled by joint collaboration of researchers with different scientific backgrounds. Operational Research can significantly contribute to tackle many of the current and forthcoming challenges, especially those requiring the development of mathematical models and global optimization techniques. In this special issue we welcome

contributions that consider methodological, theoretical or computational aspects of global optimization applied to healthcare problems. Only high quality contributions in terms of novelty and significance within the scope of Journal of Global Optimization will be considered.

Although we strongly encourage the submission of papers presented at **XXXI Euro Mini Conference on Improving Healthcare** that took place in Coimbra, Portugal, from March 30 to April 1 2015, this Call for Papers is also open to the entire community of academics and practitioners.

All papers will be peer-reviewed according to the editorial policy of Journal of Global Optimization. Papers should be original, unpublished, and not currently under consideration for publication elsewhere. They should be prepared according to the instructions to authors that can be found in the journal homepage. Authors should upload their contributions using the submission site <https://www.editorialmanager.com/jogo>, not forgetting to choose as article type « **SI : Global Optimization in Healthcare** ».

The deadline for submissions is **31 October, 2015**. Other inquiries should be sent directly to any of the Guest Editors in charge of this issue: Joana Dias (joana@fe.uc.pt), Humberto Rocha (hrocha@mat.uc.pt), and Ana Viana (aviana@inescporto.pt).

International Transactions in Operational Research (ITOR)



Special Issue: Call for Papers on Improving Healthcare: new challenges, new approaches

Guest Editors:
Joana Dias, Humberto Rocha, Ana Viana

Deadline for submission: **October 31, 2015**

The International Transactions in Operational Research (ITOR) will publish a Special Issue dedicated to "Improving Healthcare: new challenges, new approaches". Recent advances in medicine allow us to live longer and healthier lives. These advances have been made possible through the joint contribution of very different scientific fields. Healthcare is nowadays better understood as a multidisciplinary field, with increasing number of challenges that can be better tackled by joint collaboration of researchers with different scientific backgrounds. Operational Research can significantly contribute to tackle many of the current and forthcoming challenges.

Contributions solicited cover a variety of topics, including but not limited to:

- *Location and allocation problems in healthcare
- *Healthcare logistics
- *Planning and scheduling healthcare delivery
- *Optimization in radiotherapy
- *Healthcare information systems
- *Medical data mining
- *Health economics costing and pricing of health services
- *Disease modelling
- *Risk assessment and prioritisation

Although we strongly encourage the submission of papers presented at **XXXI Euro Mini Conference on Improving Healthcare** that took place in Coimbra, Portugal, from March 30 to April 1 2015, this Call for Papers is also open to the entire community of academics and practitioners.

All papers will be peer-reviewed according to the editorial policy of ITOR (<http://www3.interscience.wiley.com/journal/118505725/home>), published by the International Federation of Operational Research Societies (IFORS). Papers should be original, unpublished, and not currently under consideration

for publication elsewhere. They should be prepared according to the instructions to authors that can be found in the journal homepage. Authors should upload their contributions using the submission site <http://mc.manuscriptcentral.com/itor>, indicating in their cover letter that the paper is intended for this special issue.

The deadline for submissions is **October 31, 2015**. Other inquiries should be sent directly to any of the Guest Editors in charge of this issue: Joana Dias (joana@fe.uc.pt), Humberto Rocha (hrocha@mat.uc.pt), and Ana Viana (aviana@inescporto.pt).

Central European Journal of Operations Research (CEJOR)



Special Issue: Call for Papers on Making an Impact with Big Data and Modern OR

to participants of EURO XXVII 2015

Guest Editors:
Boglárka G.Tóth, David Pisinger

Deadline for submission: **December 1, 2015**

At the occasion of the 27th European Conference on Operational Research, **EURO XXVII 2015**, July 12-15, 2015, Glasgow, United Kingdom (<http://www.euro2015.org>), the journal **Central European Journal of Operations Research (CEJOR)** invites submission of papers to a special issue on **Making an Impact with Big Data and Modern OR**. One of the most emerging field connecting to Operations Research (OR) is Big Data. The role of OR in Data Science is very important, enriches their methodologies and contributes to their realworld applications. Those applications are of a great importance in many fields, and the insights that new methodologies can provide straighten its relevance. The fields of Data Science have a direct and natural relation to statistics and machine learning, but also to parallel processing databases and data mining.

With our special issue in CEJOR, we aim to support the collaboration in the field of Big Data and Operations Research and to represent state-of-the-art contributions as going to be presented and discussed at the occasion of EURO 2015. Herewith, the guest editors wish to encourage excellent research and interaction in these vibrant fields of modern OR and among them, and to stimulate excellent future science hosted and fostered in our OR family.

CEJOR is the official journal of the Österreichische Gesellschaft für Operations Research which is highly supported by their fellow societies of Croatia, Czech Republic, Hungary, Slovakia, and Slovenia. The journal offers high quality papers that cover the theory and practice of OR and the relationship of OR methods to modern quantitative economics and business administration. Each issue expands our understanding of managerial problems in complex systems and supports the decision-making process. This journal features theoretical papers as well as application-oriented contributions and practical case studies. The submitted papers must not have been previously published or be currently under consideration for publication elsewhere.

Submission Details: Participants of EURO XXVII are cordially invited to submission. The format of manuscripts for CEJOR as well as guidelines and templates can be found on the webpage of Springer-Verlag, <https://www.editorialmanager.com/cjor/>. When prompted, please select the article type "**S.I.: EURO2015**"

All papers submitted for publication will be rigorously refereed. Please note that only contributions of registered participants of EURO XXVII can be accepted.

Multi-Criteria Decision Analysis



Special Issue: Call for Papers on Understanding Complexity in Multiobjective Optimization

Guest Editors:
Salvatore Greco, Kathrin Klamroth, Joshua Knowles, Günter Rudolph

Deadline for submission: **October 31, 2015**

This special issue of JMCD is devoted to further strengthen the links between the Evolutionary Multiobjective Optimization (EMO) and Multiple Criteria Decision Making (MCDM) communities, and to advance our understanding of different aspects concerning complexity in multiobjective optimization.

The need for a better understanding of complexity is pressing and timely as recent work has sometimes shown opposing views regarding how problems scale and grow in difficulty, and their inherent challenges. On the one hand, we know that multiobjective optimization problems are complex problems by their very nature. For example optimization problems that are easy to solve in the single objective case are often intractable and highly complex already in the biobjective case, and further fundamental limitations in multiobjective optimization are apparent as we scale up to many objectives. On the other hand, a multiobjective perspective can in a sense also help reduce complexity. For example, it often leads to a better understanding of a problem and hence supports the decision making process. And adding objectives to a problem does not always make it harder, because decomposing it can reduce the presence of local optima, for example. From the MCDM point of view, we observe that there is an intrinsic complexity in the process of understanding the optimization problem and building preferences on the solutions proposed by the multiobjective optimization. At the beginning of the decision process the Decision Maker (DM) has a rather vague idea of the decision problem at hand and, consequently, also the preferences are incomplete, approximate, uncertain or fuzzy.

Taking into account the above remarks, complexity in multiobjective optimization, as the main theme of the special issue, will be focused around three topics:

Focus 1: Complexity in preference

This topic is mainly concerned with elicitation, representation and exploitation of the preference of one or more users, for example: discovering and building preferences that are dynamic and unstable, group preference, complex structure of criteria, non-standard preferences, learning in multiobjective optimization.

Focus 2: Complexity in optimization

This topic is mainly concerned with the generation of alternative candidate solutions, given some set of objective functions and feasible space. The following topics are examples for the wide range of issues in this context: high-dimensional problems, complex optimization problems, simulation-based optimization and expensive functions, uncertainty and robustness, interrelating decision and objective space information.

Focus 3: Complexity in applications

An all-embracing goal is to achieve a better understanding of complexity in practical problems. Many fields in the Social Sciences, Economics, Engineering Sciences are relevant: E-government, Finance, Environmental Assessment, E-commerce, Public Policy Evaluation, Risk Management and Security issues are among the possible application areas.

These three topics will provide a strong basis for progress in both the theory and practice of handling complexity in multiobjective optimization in all its guises.

Submissions are now invited for this special issue, which will be subject to the standard review processes of the journal. Contributions should be submitted online at <http://mc.manuscriptcentral.com/mcda>, making sure that the box asking whether the submission is for special issue is checked, and that "understanding complexity in multiobjective optimization" is entered into the appropriate field.

Computers and Operations Research



Special Issue: Call for Papers on Special issue on Metaheuristics for control algorithms of robotic systems

Guest Editors:

Boubaker Daachi, Patrick Siarry

Deadline for submission: **October 31, 2015**

Metaheuristics have become more and more useful to resolve a large variety of optimization problems. Indeed, we can find the use of these techniques in many fields such as image processing, routing problems or robotics. The reason is that the formulation of many problems has become very complex and we need to take into account a lot of constraints. Intelligent robotic systems, irrespective of their type - mobile robots, manipulator robots, wearable robots or humanoid robots - have become faster and accurate in task execution. In most cases, the exact dynamical model cannot be determined by the use of the classical techniques of modelling. Furthermore, when the considered robotic system has no constant dynamics, it is necessary to provide a solution to overcome that situation and guarantee satisfactory performances relative to a given task execution. Metaheuristics constitute a good solution to maintain the dynamics used in the control algorithm design as close as possible to the real dynamics of the system. The objective function is chosen based on the performances we seek through the use of each considered robotic system. Moreover, these optimization tools can be used for motion planning or to design robust control algorithms without recourse to any knowledge about the system dynamics. Such kind of situations concerns, for example, the exoskeletons that can be worn by human subjects having different morphologies.

By the choice of operations research techniques, this special issue deals with the methodology for determining viable solutions to problems related to the safety and the health of humans by the design of intelligent systems well controlled. The kind of papers we seek must contain original research results. They should demonstrate constructive algorithmic complexity and extensive numerical experiments having an important scientific value compared to other techniques. Furthermore, all proposed research works should represent a novel and significant contribution with respect to the relevant literature. Through this proposal, we intend to organize a special session on the field of robot control by using metaheuristics, which include significant results from theory and practice. The goal of this special issue is to provide a premier forum for researchers to present their recent research results. It offers an important opportunity for multidisciplinary work.

Online submission can be found here: <http://ees.elsevier.com/cor/> When asked to choose article type, please stipulate '**SI: Metaheuristics & Robotics**'.

All submissions should meet Computers & Operations Research author guidelines.

Expected number of pages (in two-column format)

*Minimum: 8 pages

*Maximum: 12 pages

Important dates

*Paper submission deadline: **October 31, 2015**

*First round of revision: March 15, 2016

*Expected publication date: July, 2016

INFORMS: Transportation Science



Special Issue: Call for Papers on Recent Advances in Urban Transportation Through Optimization and Analytics

Guest Editors:

Ann Melissa Campbell, Tom Van Woensel

Deadline for submission: **December 31, 2015**

There has been a significant body of research on making urban transportation more efficient and sustainable. Planning of urban transportation services is challenging due to the crowded traffic infrastructure, increasing customer expectations, and rules set by municipalities. In recent years, a vast amount of urban transportation data has become available, e.g., travel times and customer demand data. At the 2015 TSL Workshop, researchers from the often-distinct fields of urban transportation and analytics were brought together in order to discuss recent optimization approaches and how they can benefit from the increasing amount of detailed data.

In conjunction with the 2015 TSL Workshop, this special issue intends to establish the landscape for the state-of-the-art in urban transportation involving optimization and analytics. We anticipate articles on recent applications of urban transportation such as home delivery planning, shared mobility services, environmental-friendly deliveries, and city logistics concepts. We are also interested in recent advances in the use of analytics for optimization of urban transportation, such as forecasting of customer demand, use of travel time data, data aggregation, and how to use this information in optimization techniques.

Sample paper topics include (but are not limited to):

- *City logistics
- *Demand and traffic prediction
- *Efulfillment
- *Fleet management
- *Network design
- *Public transport
- *Revenue management for logistics and public transport
- *Shared mobility systems
- *Vehicle routing
- *Reliability and sustainability in urban transportation

Submissions are open to all, independent of participation in the 2015 TSL Workshop. All contributions will be peer reviewed according to the usual standards of the journal.

Submission: Please submit your manuscript online via ScholarOne Manuscripts at <http://mc.manuscriptcentral.com/transci>. When choosing Manuscript Type in Step 1 of the submission procedure, enter "Special Issue - 2015 TSL Workshop Advances in Urban Transportation"; otherwise your submission will be handled as a regular manuscript.

The Instructions to Authors can be found on the Transportation Science homepage: <http://pubsonline.informs.org/page/trsc/submission-guidelines>.

IFORS Newsletter

September 2015



The IFORS June 2015 Newsletter is available for download at: <http://ifors.org/newsletter/ifors-news-sept2015.pdf>

Competitions, Prizes and Awards

2015 Optimization Society Prize Winners

Dear Colleagues,

We are delighted to announce the winners of the 2015 INFORMS Optimization Society Prizes:

Khachiyan Prize:

*Jean Bernard Lasserre, for his life-time achievements in the field of optimization.

Farkas Prize:

*Robert Weismantel, for his outstanding contributions to the field of optimization.

Prize for Young Researchers:

*Fatma Kilinc-Karzan, co-winner, for her paper "On Minimal Valid Inequalities for Mixed Integer Conic Programs."

*Javad Lavaei and Somayeh Sojoudi, co-winners, for their paper, "Exactness of Semidefinite Relaxations for Nonlinear Optimization Problems with Underlying Graph Structure."

Student Paper Prize:

*Paul Grigas, winner, for his paper "A new perspective on boosting in linear regression via subgradient optimization and relatives" (co-authored with Robert M. Freund and Rahul Mazumder)

*Ruoyo Shun, honorable mention, for his paper "Guaranteed matrix completion via non-convex factorization" (co-authored with Zhi-Quan Luo).

*Shimrit Shtern, honorable mention, for her paper "A semi-definite programming approach for robust tracking" (co-authored with Aharon Ben-Tal).

We would like to thank the prize committees for their hard work:

*The Khachiyan Prize committee: Ilan Adler (chair), Mike Ball, Don Goldfarb, Werner Römisch.

*The Farkas Prize committee: Ariela Sofer (chair), Warren Adams, Sanjay Mehrotra, Zeldá Zabinski.

*The Prize for Young Researchers committee: Nick Sahinidis (chair), Dan Bienstock, Sam Burer, Andrew Schaefer.

*The Student Paper Prize committee: Mohit Tawarmalani (chair), Fatma Kilinc-Karzan, Warren Powell, Uday Shanbhag.

Citations for this year's prizes can be found at

<https://www.informs.org/Community/Optimization-Society/Optimization-Society-Prizes/Khachiyan-Prize/2015>

<https://www.informs.org/Community/Optimization-Society/Optimization-Society-Prizes/Farkas-Prize/2015>

<https://www.informs.org/Community/Optimization-Society/Optimization-Society-Prizes/Young-Researchers/2015>

<https://www.informs.org/Community/Optimization-Society/Optimization-Society-Prizes/Student-Paper-Prize/2015>

The prize winners will present their work at a special session at the INFORMS Annual Meeting in Philadelphia, PA, scheduled for Monday, November 2, 1:30 - 3:00 p.m. and entitled "Optimization Award Session."

Suvrajeet Sen
Chair, INFORMS Optimization Society

Jim Luedtke

Upcoming Conferences

Event Date	Event	Location	Submission Deadline
21st-23rd October 2015	6th International Conference on Industrial Engineering and Systems Management IESM 2015	Seville, Spain	15th April 2015
1st-4th November 2015	INFORMS Annual Meeting	Philadelphia	15th May 2015
5th-6th November 2015	4th International Fuzzy Systems Symposium (FUZZYSS'15)	Istanbul, Turkey	12th April 2015
9th-10th November 2015	International Symposium on Energy System Optimization - ISESO 2015	Heidelberg, Germany	15th June 2015
13th November 2015	Empirical Research on Urban Sprawl; annual E-Cube EWG Meeting	Graz, Austria	
18th-20th November 2015	7th annual Conference on Health and Humanitarian Logistics	Sandton, South Africa	18th September 2015
19th-20th November 2015	https://gor.uni-paderborn.de/index.php?id=54	Bad Honnef, Germany	
25th-27th November 2015	VI International Workshop on Locational Analysis and Related Problems	Barcelona, Spain	30th June 2015
3rd-4th December 2015	ICORD - EWG ORD Workshop	Uswetakeiyava, Sri Lanka	15th August 2015
12th-14th December 2015	6th International Conference on Optimization and Control with Applications	Changsha, China	31st October 2015
13th-15th December 2015	Multiple Objective Programming and Goal Programming (MOPGP 2015)	Tlemcen, Algeria	30th September 2015
7th-9th December 2015	3rd International Symposium on Computational and Business Intelligence (ISCBI 2015)	Bali, Indonesia	30th September 2015
14th-16th December 2015	Conference on Business Analytics in Finance and Industry (BAFI 2015)	Santiago, Chile	25th July 2015
5th-8th January 2016	Humanitarian Operations Research: Decision Analytics for Crisis and Disaster Management Minitrack	Kauai, Hawaii	15th June 2015
11th-15th January 2016	5th Winter School on Network Optimization	Estoril, Portugal	30th October 2015
28th-29th January 2016	ORBEL 30	Louvain-la-Neuve, Belgium	
10th-12th		Compiègne,	

February 2016	ROADEF 2016	France	
25th-26th February 2016	Second Karlsruhe Service Summit Research Workshop - KSS 2016	Karlsruhe, Germany	8th November 2015
29th February 2016	New Studies on Lotka Volterra Experiments; E-Cube EWG Workshop	Klagenfurt, Austria	
7th-11th March 2016	1st International Workshop on Bi-level Programming (IWOBIP'16)	Nuevo Leon, Mexico	30th November 2015
13th-17th March 2016	LAND - TRANSLOG III	Santa Cruz, Chile	20th October 2015
20th-22nd March 2016	2016 INFORMS Telecommunications Conference	Boca Raton, FL	31st January 2016
21st-23rd March 2016	8th IMA Conference on Quantitative Modelling in the Management of Health and Social Care	London, UK	18th December 2015
11th-13th April 2016	OR Society Simulation Workshop (SW16)	Stratford-Upon-Avon, UK	23rd October 2015
20th-28th April 2016	EURO PhD School on Matheuristics and Web-Services	Lorient, France	30th November 2015
21st-22nd April 2016	Operations Research / Industrial Engineering Doctoral Students Colloquium	Istanbul, Turkey	1st February 2016
3rd-5th May 2016	Big Data 2016 - International Conference on Big Data	Alicante, Spain	
9th-13th May 2016	ELAVIO 2016	Cali, Colombia	30th November 2015
18th-20th May 2016	13th ESICUP Meeting	Ibiza, Spain	
18th-20th May 2016	4th International Symposium on Combinatorial Optimization (ISCO 2016)	Salerno, Italy	15th February 2016
23rd-25th May 2016	EWG-DSS 2016 International Conference on Decision Support System Technology - ICDSST 2016	Plymouth, UK	30th November 2015
26th-28th May 2016	ECCO XXIX - 2016	Budapest, Hungary	1st March 2016
29th-30th May 2016	ORSIS 2016 - Operations Research Society of Israel	Jerusalem, Israel	
1st-3rd June 2016	Conference on Integer Programming and Combinatorial Optimization IPCO XVIII	Liège, Belgium	20th November 2015

6th-8th June 2016	VeRoLog 2016	Nantes, France	6th January 2016
6th-8th June 2016	14th Cologne-Twente Workshop on Graphs & Combinatorial Optimization	Gargnano, Italy	14th February 2016
8th-10th June 2016	HM 2016 - 10th International Workshop on Hybrid Metaheuristics	Plymouth, UK	18th January 2016
13th-17th June 2016	TRISTAN 2016	Oranjestad, Aruba	15th November 2015
19th-23rd June 2016	EngOpt 2016, the 5th International Conference on Engineering Optimization"	Iguassu Falls, Brazil	15th January 2016
25th June-1st July 2016	XIV International Conference on Stochastic Programming	Rio de Janeiro, Brazil	15th January 2016
28th-30th June 2016	8th IFAC Conference on Manufacturing Modelling, Management, and Control (MIM 2016)	Troyes, France	1st November 2015
1st-2nd July 2016	EUROPT 2016	Warsaw, Poland	15th March 2016
3rd-6th July 2016	EURO XXVIII Annual Conference. EURO 2016	Poznan, Poland	1st March 2016
4th-6th July 2016	StochMod 2016	Louvain-la-Neuve, Belgium	
12th-14th July 2016	9th IMA International Conference on Modelling in Industrial Maintenance and Reliability (MIMAR)	London, UK	1st February 2016
13th-15th July 2016	36th National Operations Research and Industrial Engineering Congress (ORIE 2016)	Izmir, Turkey	
23rd-26th July 2016	10th International Conference on Optimization: Techniques and Applications.	Ulaanbaatar, Mongolia	31st May 2016
21st-24th August 2016	V CBBM Conference on Operational Research in Computational Biology, Bioinformatics and Medicine	Istanbul, Turkey	
23rd-26th August 2016	PATAT 2016	Udine, Italy	26th February 2016
30th August - 2nd September 2016	OR 2016	Hamburg, Germany	30th April 2016
5th-7th September 2016	19th EURO Working Group on Transportation Meeting (EWGT2016)	Istanbul, Turkey	20th January 2016
5th-9th September 2016	22nd International Conference on Principles and Practice of Constraint Programming (CP 2016)	Toulouse, France	13th April 2016

6th-9th September 2016	AIRO 2016	Trieste, Italy	
28th-30th September 2016	16th International Conference on Operational Research (KOI 2016)	Osijek, Croatia	July 15th 2016

Contact Us

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