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EURO Newsletter # 41
August 01, 2016

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Special Announcements



Award Winners
28th European Conference
on Operational Research
EURO 2016
Poznań, Poland, July 3-6, 2016



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

Many thanks to the organisers and participants of the recent EURO conference in Poznań. We hope everyone enjoyed the session, the social events, and the opportunity to meet up with friends.

<https://www.euro-online.org/web/pages/104/prizes-and-awards>

Congratulations again to the finalists for the EURO Doctoral Dissertation Award, the EURO Excellence in Practice Award, the EthOR Award, and the ROADEF/EURO Challenge who presented their work at the conference, and congratulations to all who received an award:

- EURO Gold Medal: **Yurii Nesterov** and **Maurice Queyranne**
- EURO Distinguished Service Medal: **Yannis Siskos**
- EURO Doctoral Dissertation Award: **Raca Todosijević**
- EURO Excellence in Practice Award: **Thorsten Koch, Benjamin Hiller, Marc E. Pfetsch, Lars Schewe, Dagmar Bargmann, Mirko Ebbers, Armin Fügenschuh, Björn Geißler, Ralf Gollmer, Uwe Gotzes, Christine Hayn, Nina Heinecke, Holger Heitsch, René Henrion, Jesco Humpola, Imke Joormann, Veronika Kühn, Thomas Lehmann, Ralf Lenz, Hernan Leövey, Alexander Martin, Radoslava Mirkov, Andris Möller, Antonio Morsi, Antje Pelzer, Werner Römisch, Jessica Rövekamp, Martin Schmidt, Rüdiger Schultz, Robert Schwarz, Jonas Schweiger, Klaus Spreckelsen, Claudia Stangl, Marc C. Steinbach, Isabel Wegner-Specht, Bernhard M. Willert**
- EURO Award for the Best EJOR Paper (Innovative Applications of OR): **Fernando S. Oliveira, Carlos Ruiz, Antonio J. Conejo**
- EURO Award for the Best EJOR Paper (Review): **M. Steadie Seifi, N.P. Dellaert, W. Nuijten, T. Van Woensel, R. Raoufi**
- EURO Award for the Best EJOR Paper (Theory and Methodology): **Thibaut Vidal, Teodor Gabriel Crainic, Michel Gendreau, Christian Prins**
- EthOR Award: **Ross Kazakov**
- ROADEF/EURO Challenge (Junior): **Tamara Jovanović**
- ROADEF/EURO Challenge (Special): **Simon Crevals, Mieke Defraeye, Otto Carpentier, Kay Van Wynendaele**
- ROADEF/EURO Challenge (Senior): **Ahmed Kheiri**

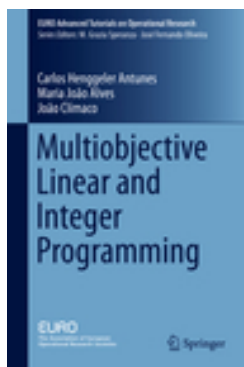
Also we would like to thank the juries of the awards for their huge efforts throughout the year.

Please note that all Best EJOR Papers can now be freely downloaded for a limited time from EJOR at:

<http://www.journals.elsevier.com/european-journal-of-operational-research/news/winners-announced-for-the-ejor-2016-best-paper-awards>



EURO Advanced Tutorials on Operational Research



Third Issue: Multiobjective Linear and Integer Programming

Guest Editors:
Henggeler Antunes, Carlos, João Alves, Maria, Clímaco, João

<http://www.springer.com/it/book/9783319287447>

This book opens the door to multiobjective optimization for students in fields such as engineering, management, economics and applied mathematics. It offers a comprehensive introduction to multiobjective optimization, with a primary emphasis on multiobjective linear programming and multiobjective integer/mixed integer programming. A didactic book, it is mainly intended for undergraduate and graduate students, but can also be useful for researchers and practitioners. Further, it is accompanied by an interactive software package - developed by the authors for Windows platforms - which can be used for teaching and decision-making support purposes in multiobjective linear programming problems. Thus, besides the textbook's coverage of the essential concepts, theory and methods, complemented with illustrative examples and exercises, the computational tool enables students to experiment and enhance their technical skills, as well as to capture the essential characteristics of real-world problems.

The EURO Advanced Tutorials on Operational Research are a series of short books devoted to an advanced topic which is not adequately covered in available textbooks, to fill gaps between scientific papers and traditional textbooks. The series covers comprehensively all aspects of Operational Research. The scope of a Tutorial is to provide an

understanding of an advanced topic to young researchers, such as PhD students or Post docs, but also to senior researchers and practitioners. Tutorials may be used as textbooks in graduate courses.

European Study in OR/MS Education Brief Results and Preliminary Trends



In the light of recent improvements in OR/MS Education, a survey was conducted amongst European universities and other higher education institutions (see <https://ec.europa.eu/eusurvey/runner/ORMSEducation>), from June to October 2015. The survey and related activities constituted the first phase of the "European Study on OR/MS Education", being the study's purpose to gain detailed insight into the current state of OR/MS Education in Europe.

Some results and preliminary trends are to be presented in OR/MS conferences, namely **EURO 2016** (a summary of the panel discussion is made available in the EU- Survey's section for "Background Documents" or see: https://www.euro-online.org/media_site/reports/PUBLIC_ORMS_Education-EURO2016_Panel_Discussion.pdf) and **KOI 2016**. In sharing this way the relevant elements from the survey, a more general and broader discussion can be initiated both on future developments and on OR/MS Education enhancements.

Conferences and Meetings

EURO Mini Conference

DA2PL'2016

Paderborn, Germany, 7-8 November, 2016



<https://homepages.uni-paderborn.de/kiudee/>

The DA2PL workshop has been launched with the goal of bringing together researchers from operations research and the decision sciences with scholars from machine learning. It aims at providing a forum for discussing recent advances and identifying new research challenges in the intersection of both fields, which is marked by the growing field of preference learning, thereby supporting a cross-fertilisation of these disciplines.

Following the two previous editions of this workshop, which took place in Mons in 2012 and Paris in 2014, DA2PL'2016 will be held at the University of Paderborn, Germany. Supported by the Association of European Operational Research Societies, it will this time be organized in the form of a EURO Mini Conference.

DA2PL'2016 solicits contributions to the usage of theoretically supported preference models and formalisms in preference learning as well as communications devoted to innovative preference learning methods in decision analysis and multicriteria decision aiding.

Submissions

We solicit full research papers as well as extended abstracts reporting on more preliminary results. Submissions must be written in English and formatted according to the electronic template. The page limit is 6 for full papers and 2 for extended abstracts. Submissions must be submitted through [EasyChair](#) and will be reviewed by at least two referees. This year, DA2PL will provide a special opportunity for doctoral students to explore and develop their research interests. A special session at the conference will be devoted for PhD students to present and discuss their ongoing research work. Therefore, we specifically encourage young researchers to submit their work (as full paper or extended abstract, depending on the maturity of the PhD project); the submission site will offer a possibility to mark a submission as a student paper.

Important dates

Paper submission: **August 22, 2016**
Author notification: September 30, 2016
Camera-ready version: October 21, 2016

INFORMS Transportation and Logistics Society
First Triennial Conference
Chicago, USA, 26-29 July, 2017



www.informs.org/Community/TSL/TSL-Conference

The Transportation Science and Logistics Society Conference has been created to provide an opportunity for all members to gather on a triennial basis to present and to discuss the state-of-the-art in transportation science and logistics. The conference welcomes abstracts on all transportation science and logistics topics including air transportation, facility logistics, freight transportation and logistics, intelligent transportation systems, and urban transportation planning and modeling. Abstracts supporting the conference theme, MOBILITY 2020: Traffic, Transportation and Logistics in a Cyber Connected World, are highly encouraged. Submissions focusing on innovation in transportation and logistics will receive special attention.

Abstract submission: easychair.org/conferences/?conf=tslconference2017

Abstracts should be 3-5 pages in length. To ensure all presentations are of the highest quality, abstracts should highlight the main contributions of the research and include outcomes of computational studies, if applicable.

Dates of interest:

Abstract submission deadline: **12/15/2016**

Notification of acceptance: 2/1/2017

Deadline for early registration: 4/1/2017

Conference: 7/26/2017-7/29/2017

Registration:

Early Bird Registration (before 4/1/2017): \$375

Regular Registration: \$425

On-site Registration: \$500

Student Registration (does not include welcome reception or conference dinner): \$150

Guest Registration (welcome reception and conference dinner): \$200

Non-TSL members add \$25 to each registration above.

Some registration scholarships will be available for PhD students.

The goal is to keep the conference small enough for deep interactions and large enough to accommodate the TSL Society's wide interests. With this in mind, there may be at most one paper presentation per registered presenter. Also, each presentation must be accompanied by at least one full paid registration.

Workshop on "Optimization challenges in the evolution of energy networks to smart grids"

Coimbra, Portugal, 27-28 October, 2016

www.inescc.pt/optenergy2016

with the support of COST Action TD1207 "Mathematical Optimization in the Decision Support Systems for Efficient and Robust Energy Networks"

Scope and objectives

Energy Production and Distribution (EP&D) is among the biggest challenges of our time, since energy is a scarce resource whose efficient production and fair distribution is associated with many technical, economical, political and ethical issues like environmental protection and people health or equity of access to energy services. EP&D networks have rapidly increased in size and complexity, e.g. with the liberalisation and openness of markets within the EU. Thus, there is an increasing need of systems supporting the operational, regulatory and design decisions through highly interdisciplinary approaches, where experts of all the concerned fields contribute to the definition of appropriate mathematical models. This is particularly challenging because these models require the simultaneous use of many different mathematical optimization tools and the verification by experts of the underlying engineering and financial issues.

The electric power system is an essential infrastructure of modern developed societies. The electricity network has been subject to steady technological developments involving the deployment of sensors, computation, advanced metering, communications, and control systems, as well as the integration of dispersed generation based on renewable sources imposing new technical challenges. Moreover, planning tasks have become more complex due to the unbundling of the industry value chain and market structures, also taking into account the need to offer new services to consumers and prosumers (simultaneously producers and consumers). The dissemination of storage devices and electric vehicles create further challenges, also regarding the pressure to provide increased levels of quality of service. In this global setting, the evolution of the electric power system to smart grids refers to the deployment and use of monitoring, analysis, bidirectional communication, and control technologies to manage the whole value chain of electricity from generation to consumption in a sustainable, reliable and efficient manner, facilitating the integration of new generation, namely that based on renewable sources, and empowering consumers through appropriate demand response mechanisms. In addition, future energy networks are expected to become increasingly interconnected and interdependent. Optimization

models and methods have a relevant role to play to cope with this complexity to develop smart networks within more integrated and sustainable energy system, encompassing electricity, gas, heat, and information and communication technologies. Therefore smart grid concepts refer to maximising the efficiency of the overall energy chain to ensure a smooth energy transition.

The objectives of this workshop are bringing together scientists, engineers, researchers, and students from academy and industry to share recent research and unveil new research directions concerning the use of optimization models and methods to address the challenges arising in the evolution of energy networks to smart grids.

Guidelines for authors

Abstracts (one page, 2500 char. max) must be written in English and should be formatted according to the template. Each participant can present just one paper, although he/she may co-author several papers.

The publication of a book or a special issue of a journal is foreseen, if there are a sufficient number of quality papers.

Important dates

9 September 2016 - Abstract submission

20 September 2016 - Notification of acceptance

7 October 2016 - Registration deadline

27-28 October 2016 - Workshop

2016 IEEE Symposium on Computational Intelligence in Multicriteria Decision-Making (IEEE MCDM'2016)

Athens, Greece, 6-9 December, 2016

<http://ssci2016.cs.surrey.ac.uk/MCDM.htm>

IEEE MCDM'2016 will be held simultaneously with over 30 other symposia and workshops in one location at the 2016 IEEE Symposium Series on Computational Intelligence (IEEE SSCI 2016). This international event promotes all aspects of the theory and applications of computational intelligence. Sponsored by the IEEE Computational Intelligence Society, this event will attract top researchers, professionals, practitioners and students from around the world. The registration to SSCI 2016 will allow participants to attend all the symposia, including the complete set of the proceedings of all the meetings, coffee breaks, lunches, and the banquet.

Scope

IEEE MCDM'2016 aims to bring together scientists, engineers and students from around the world to discuss the latest advances in the field of CI applied to issues in multiple criteria decision making (MCDM). Topics covered include applications of computational intelligence technologies, such as neural networks and learning algorithms, fuzzy systems, evolutionary computation, and other emerging techniques.

Important Dates:

15 August 2016 - Paper submissions due

12 September 2016 - Notification to authors

10 October 2016 - Camera-ready papers due

Program Chairs:

Piero Bonissone, Piero P Bonissone Analytics LLC, USA

Kaisa Miettinen, University of Jyväskylä, Finland

Yaochu Jin, University of Surrey, UK

IPCO 2017 (19th Conference on Integer Programming and Combinatorial Optimization)

Waterloo, Ontario, Canada, 26-28 June, 2017

<http://www.math.uwaterloo.ca/ipco2017>

Submission deadline : **November 20, 2016**

The IPCO conference is a forum for researchers and practitioners working on various aspects of integer programming and combinatorial optimization. The aim is to present recent developments in theory, computation, and applications. The scope of IPCO is viewed in a broad sense, to include algorithmic and structural results in integer programming and combinatorial optimization as well as revealing computational studies and novel applications of discrete optimization to practical problems.

Authors are invited to submit extended abstracts of their recent work by **November 20, 2016**; see the conference website for more information. The Program Committee will select the papers to be presented on the basis of the submitted extended abstracts. Contributions are expected to be original, unpublished and not submitted to journals or

conferences with proceedings before the notification date (January 31, 2017). Papers violating these requirements will not be considered by the Program Committee.

During the conference, approximately 33 papers will be presented in single-track sessions. Each lecture will be 30 minutes long. The proceedings will be published as a volume of Springer Lecture Notes in Computer Science. They will contain extended abstracts of all accepted submissions. Each participant will receive a copy of the proceedings at the conference. It is expected that revised and extended versions will subsequently be submitted for publication in appropriate journals.

15th International Conference on Data Envelopment Analysis. DEA2017

Prague, Czech Republic, 26-29 June, 2017

<http://www.deaconference.com/dea2017>

In the beautiful city of Prague, DEA2017 plans to bring together researchers and practitioners interested in the development of the DEA methodology and its applications to performance management in both public and private sectors. Theoretical and empirical papers on DEA and related fields in efficiency and productivity analysis as well as performance measurement are invited.

In addition to paper presentation sessions, panel discussions and keynote speech sessions, the DEA2017 provides a series of tutorials on the pre-conference day.

We are also honored to announce a special issue of The Data Envelopment Analysis Journal devoted to selected papers presented at the conference.

Important Dates

Abstract submission closes: **January 31, 2017**

Notification of acceptance: February 15, 2017

Early registration ends: March 15, 2017

Registration for abstracts to be included in the program ends: March 31, 2017

Metaheuristics International Conference (MIC 2017)

Barcelona, Spain, 4-7 July, 2017

<http://mic2017.upf.edu/welcome/>

The MIC conference series was established in 1995 and this is its 12th edition. MIC is the main event focusing on the progress of the area of Metaheuristics and their applications. As in previous editions, MIC 2017 will provide an opportunity to the international research community in Metaheuristics to discuss recent research results, to develop new ideas and collaborations, and to meet old and make new friends in a friendly and relaxed atmosphere.

Presentations covering all aspects of Metaheuristic research such as new algorithmic developments, industrial applications, new research challenges, theoretical developments, implementation issues, in-depth experimental studies, hybrid metaheuristics, etc. are welcome.

The MIC 2017 will be organized jointly with the **MAEB (Metaheurísticas, Algoritmos Evolutivos y Bioinspirados)**, the most well known conference in the area of Metaheuristics, Evolutionary and Bio-Inspired Algorithms.

Paper Submissions

Authors are encouraged to submit unpublished and outstanding original contributions in one of the above topics (Techniques, Empirical and Theoretical Research, Industrial Applications, Interface of Metaheuristics and Challenging New Problems). Submission is only electronic, in PDF format, using the easychair system.

S1) Original research contributions for publication in the conference proceedings of a maximum of 10 pages.

S2) Extended abstracts of work-in-progress of a maximum of 3 pages.

S3) High-quality manuscripts that have recently, within the last six months, been submitted or accepted for journal publication.

All contributed paper submissions will be peer reviewed. All submitted papers must follow the submitted guidelines below. Accepted papers will be published in the online proceedings that will be available at the conference. Accepted contributions of categories S1 and S2 will be published in the MIC 2017 conference proceedings. Accepted contributions of category S3 will be orally presented at the conference, but not be included into the conference proceedings.

Important Dates

Submission: **January 23, 2017**

Notification: February 27, 2017

Camera-ready: March 6, 2017
Registration: March 31, 2017
Conference: July 4-7th, 2017

Schools and Courses

Algorithmic Optimization Autumn School Trier, Germany, 19-22 September, 2016

<http://alop.uni-trier.de/event/autumn-school-algorithmic-optimization/>

We are pleased to announce the 2016 Autumn School organized by the research training group (Graduiertenkolleg) "Algorithmic Optimization" in Trier taking place on September 19-22, 2016.

The Autumn School will introduce participants to the main ideas from various fields of mathematical optimization. Ranging from PDE-constrained, discrete and multicriteria optimization to optimization in statistics, a broad overview will be provided.

The list of speakers consists of Göran Kauermann, LMU Munich, Winnifried Wollner, TU Darmstadt, Sven Krumke, TU Kaiserslautern and Gabriele Eichfelder, TU Ilmenau.

Publications

EURO Journal on Transportation and Logistics (EJTL)



Special Issue: Call for Papers on Advances in Vehicle Routing and Logistics Optimization: heuristics

Guest Editors:

Ch. Guéret, F. Lehuédé, J. E. Mendoza, O. Péton and M. Sevaux

Deadline for submission: **October 15, 2016**

<https://www.euro-online.org/web/pages/1486/special-issues?id=14>

The number and quality of talks given at the VeRoLog conference (Nantes) and special track at EURO (Poznan) show that vehicle routing and logistics are still two of the most active research areas for the operations research community. Following these two events, the EURO Journal in Transportation and Logistics organizes two special issues aiming to establish the landscape of the state of the art in the field. The topics covered in these special issues include (but are not limited to):

- *Electric vehicle routing
- *Stochastic vehicle routing
- *Dynamic vehicle routing
- *Vehicle routing with synchronization
- *Inventory routing
- *Multi-objective vehicle routing problems
- *Home care routing
- *Periodic vehicle routing
- *Real-world vehicle routing applications
- *Arc routing problems
- *Network design
- *Bike and car sharing

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

In order to submit a paper for a Special Issue,

Log on the editorial manager using the Author Login.
Select Submit New Manuscript in the main menu.
In the drop down list associated with Choose Article Type, select the desired special issue. The entries corresponding to the special issues start with SI.

EURO Journal on Transportation and Logistics (EJTL)



Special Issue: Call for Papers on Advances in Vehicle Routing and Logistics Optimization: exact methods

Guest Editors:
M. Schneider, T. Gschwind and D. Vigo

Deadline for submission: **October 15, 2016**

<https://www.euro-online.org/web/pages/1486/special-issues?id=15>

The number and quality of talks given at the VeRoLog conference (Nantes) and special track at EURO (Poznan) show that vehicle routing and logistics are still two of the most active research areas for the operations research community. Following these two events, the EURO Journal in Transportation and Logistics organizes two special issues aiming to establish the landscape of the state of the art in the field. The topics covered in these special issues include (but are not limited to):

- *Electric vehicle routing
- *Stochastic vehicle routing
- *Dynamic vehicle routing
- *Vehicle routing with synchronization
- *Inventory routing
- *Multi-objective vehicle routing problems
- *Home care routing
- *Periodic vehicle routing
- *Real-world vehicle routing applications
- *Arc routing problems
- *Network design

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

In order to submit a paper for a Special Issue,
Log on the editorial manager using the Author Login.
Select Submit New Manuscript in the main menu.
In the drop down list associated with Choose Article Type, select the desired special issue. The entries corresponding to the special issues start with SI.

Industrial Management & Data Systems



Special Issue: Call for Papers on Sustainable Knowledge-Based Decision Support Systems (KB-DSS) for Business Performance Improvement in Real Industrial Environment

Guest Editors:
Shaofeng Liu, Boris Delibasic, Lynne Butel, Xue Han

Deadline for submission: **September 30, 2016**

http://www.emeraldgroupublishing.com/products/journals/call_for_papers.htm?id=6391

This special issue (SI) focuses on one of the very crucial but under-developed areas in knowledge-based decision support systems (KB-DSS) for business performance improvement, namely how KB-DSS can help address sustainability and societal challenges in real business environment.

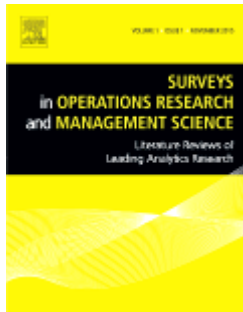
Specifically, it addresses the following questions:

- *What are the key knowledge management support requirements and intelligent inference/reasoning/ learning capabilities of DSS in the current web-based, big data-driven, social network-supported, decision making context?
- *How can KB-DSS support and improve business performance, facilitating the setting, monitoring and achieving economic, social and environmental (green) objectives?
- *What empirical evidence is there of how KB-DSS has been applied to real decision making in different industrial environments?

The guest editors are seeking submissions featuring new insights into the following (but not limited to) topics:

- *Sustainable knowledge-based decision support systems (KB-DSS): concepts, models and applications;
- *Innovative approaches to knowledge reasoning/inferencing for business sustainability;
- *Knowledge discovery technologies applied to sustainable strategic decision making;
- *Organizational learning and knowledge sharing contribution to decision support and environmental/societal challenges;
- *Knowledge networking and mobilization to improve organizational decision making;
- *Lean and critical knowledge to improve business performance decisions;
- *Knowledge chain management addressing sustainable supply network performance;
- *Knowledge mining from big data to support sustainability decisions;
- *Information fusion and simulation to help make green decisions;
- *Web 2.0 and 3.0 based knowledge artefacts in the context of sustainable business decision making;
- *Business performance management addressing economic, environmental (i.e. green) and social performance.
- *Knowledge traceability for decision making

Surveys in Operations Research and Management Science



Special Issue: Call for Papers on Behavioral Operations Management

Guest Editors:
Tingliang Huang

Deadline for submission: **September, 2016**

<http://www.journals.elsevier.com/surveys-in-operations-research-and-management-science/call-for-papers/call-for-papers-consumer-behavior-in-operations-management/>

In the past years, there has been extensive research studying the impact of forward-looking or strategic consumer behavior on operations management. Consumer perfect rationality is typically assumed in those studies. Recently, people started to investigate how consumer bounded rationality may make a difference in how operations should be managed. There are a variety of methods helping us understand consumer behavior, including but not limited to: theoretical modelling grounded on economic theory, structural estimation of dynamic models grounded on empirical industrial organization methods, and human experiment in a lab based on behavioral economics. We believe that these approaches complement each other in bettering our understanding of how operations should be managed in the presence of consumers as human beings. This special issue provides a state-of-the-art survey about most recent developments in understanding consumer behavior in operations management.

Example topics for potential submissions included, but are not limited to:

- *Modelling strategic/forward-looking consumer behavior in operations management
- *Modelling consumer bounded rationality in manufacturing and service operations
- *Structural estimation methods and empirical dynamic models in operations management
- *Human experiments in operations management

Authors should review the Surveys in Operations Research and Management Science instructions on preparing a paper at: <http://www.journals.elsevier.com/surveys-in-operations-research-and-management-science/>
Papers must be submitted online at the journal's website.

The editors encourage potential authors to contact them with ideas for papers before a full submission.

- *September, 2016: Target deadline for first round of submissions
- *December 2016: First round of reviews completed, Decisions (and requests for revision, if appropriate) delivered to authors
- *March, 2017: Second round of reviews delivered to authors
- *July 2017: Final versions of accepted papers to be submitted

Publication Contact Information for the Special Issue Editor: Tingliang Huang
Boston College tingliang.huang@bc.edu

Optimization Methods and Software (OMS)



Special Issue: Call for Papers on Mathematical Optimization Software dedicated to ICMS 2016

Guest Editors:

Ambros Gleixner, Christian Kirches, John Mitchell, Ted Ralphs

Deadline for submission: **September 15, 2016**

Motivation

Contact: icms_mathopt_2016@zib.de

Papers on the topic of MATHEMATICAL OPTIMIZATION SOFTWARE will be considered for peer-reviewed publication in a special issue of the journal Optimization Methods and Software (OMS):
<http://www.tandfonline.com/goms>

The journal impact factor is 1.624, and the yearly best publication in OMS is awarded the Charles Broyden prize:
<http://explore.tandfonline.com/page/est/charles-broyden-prize>

The quality and topics of the submissions should correspond to the high standards of publications in OMS and its Aims and Scope:
<http://www.tandfonline.com/action/journalInformation?show=aimsScope&journalCode=goms20>

This special issue is dedicated, but not limited to presentations featured at the ICMS 2016 Session on Mathematical Optimization

http://events.zib.de/ICMS_MathOpt_2016

as part of the 5th International Congress on Mathematical Software held July 11-14, 2016, at Zuse Institute Berlin.

Submission Guidelines

The deadline for submission to the special issue is **September 15, 2016**.

The paper length should not exceed 25 journal pages. Submissions should follow the journal's style and guidelines under
<http://www.tandfonline.com/action/authorSubmission?journalCode=goms20&page=instructions>

Manuscript submission must be made online via the journal's ScholarOne Manuscripts site

<http://mc.manuscriptcentral.com/goms>

which will be open from July 15, right after ICMS 2016. To specify the special issue, please choose "MOS".

Note that this is independent from the abstract submission deadline for presenting at ICMS, which is March 31. See the session webpage

http://events.zib.de/ICMS_MathOpt_2016 for further details.

Risk Analysis



Special Issue: Call for Papers on Spatial Risk Analysis

Guest Editors:

Nikolaos Argyris, Valentina Ferretti, Simon French, Gilberto Montibeller, Seth Guikema

Deadline for submission: **September 30, 2016**

http://www.sra.org/sites/default/files/pdf/SpecialissueproposalforRiskAnalysis_Jun20.pdf

Risk and decision analysts, as well as policy makers, are often faced with problems having spatial characteristics. Where to bury nuclear waste? Where to build up flood defenses? Where to prioritize clean-up operations after disasters? How to assess the chance of finding a missing aircraft over a wide area? How best to present geographical uncertainty to emergency managers who need to take urgent decisions? (MacEachren et al. 2005).

Spatial variability is increasingly recognized as a key component in health, safety, and environmental exposure and risk

assessment (e.g. Keller et al. 2014, Zagmutt et al., 2015, Zhou et al., 2014). In addition, there is a broad literature on spatial decision support in the environmental domain. A subset of this growing research field deals with risk (Malczewski, 2006), but, arguably, without a proper risk -analytic framework. Presentation of spatial and geographical uncertainty is also of key importance, with many open challenges (MacEachren et al. 2005).

The time is thus ripe to explore how to conceptualize spatial risk analysis frameworks to better support assessment of both vulnerabilities and multidimensional impacts. We therefore invite papers for a special issue of Risk Analysis to provide impetus in this direction. Submissions should emphasize current cutting-edge research and serve as point of reference for risk analysis researchers, as well as practitioners in fields such as Health, Environmental Protection, Emergency Management, and Logistics.

Key areas of focus for the Special Issue include:

- *Models for understanding and improving decisions involving spatially distributed risks (probability distributions of multidimensional outcome distributions over a certain area and over time). Utility (or Loss) functions for spatial outcomes.
- *Effective communication and presentation of spatial and geographical uncertainties about exposures, vulnerabilities, risks, and impacts, including behavioral aspects, cartographic conventions and the use of interactive displays.
- *Expert judgement probability elicitation and validation for spatial risk analysis.
- *Aggregation of multidimensional risk impacts for a certain geography.
- *Appraisal of spatial heterogeneity and heterogeneous vulnerability assessment frameworks for spatial risk analysis.
- *Spatio-temporal logics for interrogating GIS to support risk analyses and underpin decision support systems.

Paper Submission:

Submitted articles must not have been previously published or currently submitted for journal publication elsewhere. As an author, you are responsible for understanding and adhering to our submission guidelines. You can access them at:

<http://sra.org/sra-journal>.

Please indicate in your cover letter that the paper is intended for the Spatial Risk Analysis special series.

Each paper will go through a rigorous review process.

Important Dates:

Submission Deadline: **September 30, 2016**

First-Round Reviews (target): December 1, 2016

Special Issue Published: Fall 2017

OR Spectrum



Special Issue: Call for Papers on Airport Operations Management

Guest Editors:

Raik Stolletz, Jason Atkin, Han Hoogeveen

Extended Deadline for submission: **October 31, 2016**

The airline industry is important for the global economy. Airports, in particular hub airports, are the backbone of air transportation. Operations in the terminal and at the airfield as well as the runways need to be planned in an efficient way.

Operations research techniques are important to model, optimize and evaluate such systems and processes. The special issue aims to bring together contributions developing methodology and applications in the field of airport operations management considering operations involving passengers, baggage, cargo, and aircraft.

Papers can address but are not confined to the following topics:

- *Check-in and passenger control
- *Security and screening processes
- *Baggage and freight handling
- *Turnaround process management
- *Ground handling management
- *Optimized take off and departure methods
- *Gate assignment and check-in counter assignment
- *Intermodal transport connection
- *Green airport operations management
- *Planning of uncertain and dynamic airport operations

All papers submitted to this special issue should report original work and will be peer reviewed according to the standard of OR Spectrum. According to the aims of OR Spectrum, high quality OR papers are wanted that are relevant to the scope of the journal, show rigor in applying state-of-the-art OR techniques, are innovative, and promise to have an impact on future work of the scientific OR community.

Further information: <http://www.springer.com/291>

OR Spectrum



Special Issue: Call for Papers on Retail Operations

Guest Editors:

Pedro Amorim, Alexander Hübner, Heinrich Kuhn, Stefan Minner, Tom van Woensel

Deadline for submission: **December 31, 2016**

Operations management in retailing emerged as a substantial area of research in recent years. There are several drivers of this advent. Retailing is a significant sector of the economy in which changes in markets, firms, processes and products occur rapidly. The retail industry has been a thought leader in the development and design of advanced operations concepts and processes since the 1990s. Firms like Amazon, Zara or Walmart developed operational innovations which have been adopted also in other industries. In the last decade, e-commerce and omni-channel retailing, technological advances and the rise of big data have changed retail practice, operational requirements and the competitive landscape. Retail operations have unique elements, such as multi-channel operations, assortment planning, shelf-space allocation, store execution that are different from issues faced by other players in the supply chain.

The continued development of quantitative models, their practical need, and the growing availability of data motivates an increasing number of scientists and practitioners to intensify research on demand and supply-related issues in retail and consumer goods industries. The objective of this special issue is to accelerate the development and application of quantitative approaches for problem-solving and decision-making in retail operations. The special issue will consider contributions concerned with quantitative methods and applications for the retail and consumer goods industry. The primary aim of this special issue is to create an outlet for such research efforts. Topics that are of interest for this special issue include but are not limited to:

- *Retail and consumer goods supply chain management
- *Warehouse and inventory management in retailing
- *Distribution and vehicle routing planning in retailing
- *Logistics and operations in multi/omni-channel retailing and e-fulfillment
- *Interface of retail operations with other functions such as finance, human resources, marketing, and strategy
- *In-store operations, backroom management, shelf space allocation planning and in-store inventory management
- *Manufacturer and retailer cooperation
- *Category management and assortment policy
- *Revenue management, dynamic pricing and promotions management
- *Demand forecasting for retailing

Submission Guidelines and Review Process: Papers must be submitted by **December 31, 2016** at <http://www.editorialmanager.com/orsp/> under category "**S.I. Retail Operations**". All papers submitted to this special issue should report original work. According to the aims of OR Spectrum, high quality OR papers are wanted that are relevant to the scope of the journal, show rigor in applying state-of-the-art OR techniques, are innovative, and promise to have an impact on future work of the scientific OR community. Each paper will be screened by the Editor-in-Chief and one special issue editor. If the paper is deemed to be of sufficient quality, it will be reviewed according to the standards of OR Spectrum by at least two experienced reviewers and an editor. We will adopt a rapid and fair review process striving to provide reviews within three months of submission. Accepted papers will be available online prior to the publication of the special issue.

For questions regarding the suitability of a paper for the special issue, please contact one of the SI editors.

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Call for book chapter proposals on Big Data for the Greater Good

Editors:
Ali Emrouznejad, Vincent Charles

Deadline for submission: **October 31, 2016**

<http://thedatamining.com/BDFGG/index.html>

Submit your proposal: [CLICK HERE](#)

This book aims to bring together some of the fascinating uses, thought-provoking changes, and biggest challenges that Big Data can convey to our society. Along theory and applications, the book compiles the authors' experiences so that these may be aggregated for a better understanding. Hence, this book is an invitation to more intensive reflection on Big Data as a source for the common and greater good.

This book will be published by Springer in the series "Studies in Big Data". The aim of this series is to publish new developments and advances in the various areas of Big Data.

We wish to invite you to contribute to this edited book. At this stage, we invite you to submit [by **October 31, 2016**] a 1-2 page chapter proposal clearly explaining the goals and objectives of your proposed chapter.

Since timeliness is crucial to the success of this editorial project, we would assume the following schedule:

Chapter proposals:	October 31, 2016
Decisions from editors:	November 15, 2016
Full submission of chapters:	January 31, 2017
Feedback of reviews:	March 31, 2017
Revised chapter submission:	July 30, 2017
Final acceptance notifications:	September 31, 2017

Competitions, Prizes and Awards



VeRoLog solver challenge 2016-2017



<https://verolog.ortec.com/>

This challenge started officially during the VeRoLog meeting in Nantes (June 2016) and ends at the VeRoLog meeting of 2017. The challenge is proposed, sponsored and run by ORTEC.

The problem being addressed combines aspects from scheduling, routing and inventory and arises from practice. In the format used for the challenge the instances are simplified for the sake of clearness but they preserve the essence of the difficulties. This problem, defined over a period of several days, differs from inventory routing in being completely

deterministic and in that the inventory concerns reusable equipment.

There is a Routing challenge faced by a herd (cattle) improvement company.

Task: regularly measure the quality of milk samples at customers (farmers)

*Multi-day planning

*The farmer can request tools for a number of days

*Time windows on the delivery day of tools

More information is also available at:

https://verolog.ortec.com/wp-content/uploads/2016/04/VeRoLogSolverChallenge_2016-2017.pdf

The Challenge will run till **June 1, 2017**

IFORS Prize for OR in Development



<http://ifors.org/web/2017-ifors-prize-details-announced/>

IFORS is pleased to announce that the Prize will be awarded during the 21th Triennial conference on "OR/Analytics for a better world" to be held in Quebec City, Canada from 17-21 July 2017.

*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.

Important details about the competition follow:

Topic of paper

*The paper describes 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 and environmental sustainability, with original features in methodology or implementation, aimed at helping development in developing countries. The idea is to optimize the development within local constraints and limited resources.

*The paper includes some description of the application's social context and 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 is 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/Analytics content, stress on developmental issues, innovative methodology, impact of the study, paper organization and structure, participation of local researchers and quality of written and (if selected as finalist) oral presentation in English.

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 Quebec City, Canada from 17-21 July 2017.

*Finalists' registration fees (one per team of authors) will be sponsored by IFORS.

* All contributions must be submitted using the submission site <http://mc.manuscriptcentral.com/itor>, indicating in their cover letters that they are intended for this competition and submit to the special issue called "IFORS Prize 2017".

Other inquiries should be sent directly to the Prize Chair:

Prof. Mikael Rönnqvist

Professor Department of Mechanical Engineering

Université Laval

Quebec City, Canada

E-mail: mikael.ronngvist@gmc.ulaval.ca

Important Dates

Last date of submission of the full paper: **November 30, 2016**

Finalists will be notified by: February 28, 2017

Upcoming Conferences

Event Date	Event	Location	Submission Deadline
2nd-5th August 2016	20th Workshop on Future Research in Combinatorial Optimization (FRICO 2016)	Osnabrück, Germany	15th July 2016
3rd-19th August 2016	The 26th Jyväskylä Summer School	Jyväskylä, Finland	30th April 2016
6th-11th August 2016	ICCOPT 2016, The fifth International Conference on Continuous Optimization	Tokyo, Japan	23rd April 2016
12th-14th August 2016	2016 International Conference on Management and Operations Research (ICMOR2016)	Beijing, China	20th May 2016
17th-19th August 2016	"Modeling and OPTimization: Theory and Applications" (MOPTA)	Bethlehem, Pennsylvania	20th May 2016
21st-24th August 2016	V CBBM Conference on Operational Research in Computational Biology, Bioinformatics and Medicine	Istanbul, Turkey	1st April 2016
22nd-25th August 2016	International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2016)	Istanbul, Turkey	22nd July 2016
23rd-25th August 2016	IWLS 2016 International Workshop on Lot Sizing	Hannover, Germany	1st June 2016
23rd-26th August 2016	PATAT 2016	Udine, Italy	13th March 2016
25th August 2016	16th Workshop on Algorithmic Approaches for Transportation Modeling, Optimization, and Systems (ATMOS 2016)	Aarhus, Denmark	23rd June 2016
29th August - 2nd September 2016	124th European Study Group with Industry	Rome, Italy	15th July 2016
30th August - 2nd September 2016	OR 2016	Hamburg, Germany	9th May 2016
1st-3rd September 2016	CO2016 (International Symposium on Combinatorial Optimization)	Kent, UK	30th June 2016
4th-7th September 2016	Matheuristics 2016	Brussels, Belgium	4th May 2016
5th-7th September 2016	Workshop on Optimization Under Uncertainty in Agriculture and Agrifood Industry	Lleida, Spain	7th August 2016
5th-7th September 2016	19th EURO Working Group on Transportation Meeting (EWGT2016)	Istanbul, Turkey	15th February 2016
5th-7th September 2016	XXXVI Congreso Nacional de Estadística e Investigación Operativa	Toledo, Spain	17th April 2016

5th-7th September 2016	4th International Symposium on Computational and Business Intelligence (ISCBI 2016)	Olten, Switzerland	30th April 2016
5th-9th September 2016	22nd International Conference on Principles and Practice of Constraint Programming (CP 2016)	Toulouse, France	18th April 2016
6th-8th September 2016	OR58	Portsmouth, UK	14th July 2016
6th-9th September 2016	AIRO 2016	Trieste, Italy	21st May 2016
7th-9th September 2016	6th International Conference on Transportation and Logistics (T-LOG 2016)	Hsinchu, Taiwan	31st January 2016
7th-9th September 2016	7th International Conference on Computational Logistics (ICCL'16)	Lisbon, Portugal	15th April 2016
12th-14th September 2016	UCLID 2016: Workshop on Big Data and Data Science	Lancaster, UK	1st September 2016
14th-16th September 2016	23rd EURO Working Group on Locational Analysis meeting	Malaga, Spain	15th May 2016
17th-18th September 2016	PPSN 2016 WORKSHOP - Natural Computing in Scheduling and Timetabling	Edinburgh, Scotland	20th June 2016
19th-22nd September 2016	DMO 2016 - International Conference on Decision Making and Optimization	Athens OH, USA	30th April 2016
19th-22nd September 2016	Algorithmic Optimization Autumn School	Trier, Germany	21st August 2016
19th-23rd September 2016	DOOR-2016 (International Conference on Discrete Optimization and Operations Research)	Vladivostok, Russia	3rd May 2016
19th-23rd/26th- 30th September 2016	Summer School on Analytics for the Public Sector	Colchester, UK	
19th-23rd September 2016	122 ESGI (EUROPEAN STUDY GROUP WITH INDUSTRY)	Santiago de Compostela, Spain	15th September 2016
22nd-24th September 2016	84th Meeting of the EWG-MCDA (MCDA 84)	Vienna, Austria	17th June 2016
27th-29th September 2016	16th International Conference on Operational Research (KOI 2016)	Osijek, Croatia	24th July 2016
2nd-6th October 2016	XVIII CLAIO, the Latin-Iberian-American Conference on Operations Research	Santiago, Chile	7th April 2016
3rd-5th October 2016	ICVNS'16 - 4th International Conference on Variable Neighborhood Search	Malaga, Spain	1st June 2016
5th-6th October 2016	European Decision Professionals Network (EDPN 2016)	Copenhagen, Denmark	15th March 2016
5th-7th October 2016	International Workshop on Multicriteria Decision Making & Applications in Enterprise Information Systems	Porto, Portugal	18th April 2016

12th-13th October 2016	Middle-European Conference on Applied Theoretical Computer Science (MATCOS)	Ljubljana, Slovenia	15th August 2016
13th-14th October 2016	MODEST Workshop	Warsaw, Poland	20th May 2016
27th-28th October 2016	Workshop on "Optimization challenges in the evolution of energy networks to smart grids"	Coimbra, Portugal	9th September 2016
27th-31st October 2016	META'2016 International Conference on Metaheuristics and Nature Inspired Computing	Marrakech, Morocco	5th June 2016
7th-8th November 2016	EURO Mini Conference DA2PL'2016 (From Multiple Criteria Decision Aid to Preference Learning)	Paderborn, Germany	22nd August 2016
11th-12th November 2016	First EAI International Conference on Computer Science and Engineering	Penang, Malaysia	15th April 2016
13th-16th November 2016	INFORMS Annual Meeting	Nashville, USA	15th May 2016
5th-7th December 2016	2016 IEEE International Conference on Industrial Engineering and Engineering Management	Bali, Indonesia	15th June 2016
6th-8th December 2016	ICAMIS 2016 - International Conference on Applied Mechanics and Industrial Systems	Muscat, Oman	20th June 2016
6th-9th December 2016	2016 IEEE Symposium on Computational Intelligence in Multicriteria Decision-Making	Athens, Greece	15th August 2016
11th-14th December 2016	Winter Simulation Conference (WSC) 2016	Virginia, USA	6th April 2016
12th-16th December 2016	40ACCMCC: The 40th Australasian Conference on Combinatorial Mathematics & Combinatorial Computing	Newcastle, Australia	18th November 2016
15th-16th December 2016	26th Workshop on Information Technology and Systems (WITS 2016)	Dublin, Ireland	15th August 2016
16th-18th December 2016	The second Tunisian Operational Research Society (TORS) annual conference	Sousse, Tunisia	24th September 2016
4th-7th January 2017	Machine Learning and Network Analytics in Finance Minitrack	Hawaii, USA	15th June 2016
15th-17th January 2017	2017 INFORMS Computing Society Conference	Austin, USA	1st July 2016
16th-20th January 2017	6th Edition of Winter School on Network Optimization (netopt2017)	Estoril, Portugal	
26th-28th February 2017	8th International Network Optimization Conference (INOC2017)	Lisbon, Portugal	20th January 2017
5th-7th April 2017	7th ICROR RailLille 2017	Lille, France	1st August 2017
4th-6th May 2017	Joint EURO/ORSC/ECCO International Conference 2017 on Combinatorial Optimization	Koper, Slovenia	

26th-28th May 2017	10th International Conference on Algorithms and Complexity (CIAC)	Athens, Greece	4th November 2016
4th-7th June 2017	Metaheuristics International Conference (MIC 2017)	Barcelona, Spain	23rd January 2017
19th-22nd June 2017	Workshop in Mixed Integer Programming (MIP 2017)	Québec, Canada	
26th-28th June 2017	IPCO XIX	Ontario, Canada	20th November 2016
26th-29th June 2017	15th International Conference on Data Envelopment Analysis. DEA2017.	Prague, Czech Republic	31st January 2017
6th-8th July 2017	EUROPT 2017	Montréal, Canada	
17th-21st July 2017	IFORS 2017	Québec, Canada	10th February 2017
26th-29th July 2017	INFORMS Transportation and Logistics Society. First Triennial Conference.	Chicago, USA	15th December 2016
6th-8th September 2017	Optimization 2017	Lisbon, Portugal	15th May 2017
6th-8th September 2017	OR 2017 International Annual Meeting of the German OR Society (GOR)	Berlin, Germany	
25th-27th October 2017	ADT 2017 -- 5th International Conference on Algorithmic Decision Theory	Luxembourg	9th April 2017

Contact Us

Do you have an item to be included in the next newsletter? Just contact us at manager@euro-online.org. We reserve the right to edit submissions to suit the presentation and available space.



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