



THE ASSOCIATION OF
EUROPEAN OPERATIONAL
RESEARCH SOCIETIES

EURO Newsletter # 75
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We welcome submissions to the following journals published by EURO.

European Journal of Operational Research (EJOR), published by Elsevier. Created as an independent journal in 1976, EJOR became a EURO journal in 1990. Its coordinating Editor is Roman Slowinski.

EURO Journal on Computational Optimization (EJCO), published by Springer. It was officially launched in 2011. Its Editor in Chief is Martine Labbé.

EURO Journal on Decision Processes (EJDP), published by Springer. It was officially launched in 2011. Its Editor in Chief is Vincent Mousseau.

EURO Journal on Transportation and Logistics (EJTL), published by Springer. It was officially launched in 2011. Its Editor in Chief is Michel Bierlaire/Dominique Feillet.

We now have 9 **tutorials** published in the series of EURO Advanced Tutorials. Please take a look at our titles:

- ***Nonlinear Programming Techniques for Equilibria**
- ***Analytical Techniques in the Assessment of Credit Risk**
- ***Traffic Flow Modelling**
- ***Supply Chain Finance**
- ***Metaheuristics for Business Analytics**
- ***Compact Extended Linear Programming Models**
- ***Multiobjective Linear and Integer Programming**
- ***Dual-Feasible Functions for Integer Programming and Combinatorial Optimization**
- ***Linear and Mixed Integer Programming for Portfolio Optimization**



Series Editors

- M. Grazia Speranza, Dipartimento de Economia e management. Università di Brescia. Italy. (e-mail: grazia.speranza@unibs.it)
- José Fernando Oliveira, Faculdade de Engenharia. Universidade do Porto, Portugal. (e-mail: jfo@fe.up.pt)

Please contact the editors for more information or to submit ideas for topics.

It is important to include reminders about particular EURO events and publications as the deadlines approach but these will now be shaded slightly so that regular readers can more easily see the new items.

Special Announcements



IFORS 2020

The 22nd Conference of the International
Federation of Operational Research Societies

2020 IFORS Conference

**Seoul, Korea,
21-26 June, 2020**



Website

First Announcement and Call for Papers

The Organizing and Program Committees for IFORS 2020 welcomes all operations researchers to attend the 22nd Conference of the International Federation of Operational Research Societies (IFORS).

The IFORS 2020 conference will highlight global developments in Operations Research and show how the tools of Operations Research are expanding their impact on society, health, science and industry. IFORS conferences, held only once every three years, provide a platform for experts from around the world to showcase the diverse potential of state-of-the-art Operations Research techniques and technologies. IFORS 2020 offers a unique opportunity to network with Operations Research analysts, industrial users of Operations Research, and academic and industry experts from all parts of the globe.

This is the first IFORS conference to be held in Asia since the 15th conference in China 20 years ago. It is thus an exciting opportunity to bring together Operations Researchers from the field in Asia, where it has experienced vigorous and rapid growth, with colleagues from all regions of the world.

The conference includes a Wednesday-afternoon social event where you can choose among a variety of tours, such as the Demilitarized Zone tour, where you can witness the history of Korea's division, the Industrial Tour to Korea's leading ICT companies, as well as other programs that will explore K-POP and Hallyu, K-Beauty and K-Culture, and show you the most historic buildings and markets in the city.

The timing of the meeting in late June assures that it will be warm and sunny.

Four plenary speakers headline the scientific program:

- * **Gang Yu**, who is co-founder and CEO of 111, Inc and previously head of world-wide supply chain for Amazon, VP for worldwide procurement for Dell, Inc and CEO of Yihaodian, a leading e-commerce company in China;
- * **Robin Keller**, Professor at UC Irvine and former editor-in-chief of the Journal Decision Analysis, her research spans the areas of multiple attribute decision making, fairness, perceived risk, and planning protections against terrorism, environmental, health, and safety risks;
- * **Luk Van Wassenhove**, Professor at INSEAD whose research focuses on business models and the UN Sustainable Development Goals, he co-edited several special issues on humanitarian operations for leading international journals; and
- * **Maria Conceição Andrade Silva (EURO Plenary)**, Professor at Católica Porto Business School, Portugal, who is a world expert in Data Envelopment Analysis, and in the field of efficiency and productivity measurement, having applied it in many contexts, including bank branches, schools, retail outlets, water companies, general practice units, hospitals and courts.

The abstract submission system is available online, via <https://www.euro-online.org/conf/ifors2020/>.

IMPORTANT DATES:

- Abstract Submission Deadline - **January 17, 2020**
- Abstracts Accepted/Rejected Deadline - January 31, 2020
- Early-bird Registration Deadline - February 28, 2020
- Speakers Registration Deadline - March 1, 2020

IFORS, and the IFORS Conference Organizing Committee and Program Committee are looking forward to greeting you in Seoul in 2020!



Conferences, Schools and Meetings

Autumn School on Advanced BCP Tools

Paris, France, 21-22 November, 2019

[Website](#)

Branch-Cut-and-Price (BCP) algorithms, based on the combination of column generation with cut separation, are obtaining the best results on the exact solution of several combinatorial problems, in particular, those related to Vehicle Routing Problem (VRP). However, devising and implementing a state-of-the-art BCP can be a very demanding task, measured in several work-months by a skilled team.

This school intends to:

- * Review the techniques introduced in the last 10 years that significantly increased the capabilities of BCP

algorithms for VRPs: ng-routes, hierarchical strong branching, route enumeration, advanced implementation of dynamic programming labeling algorithms for pricing, fixing by reduced costs and rank-1 cuts with limited memory.

- * Introduce VRPSolver, a highly generic BCP algorithm for solving VRPs and related problems, that already includes all the above mentioned techniques. The VRPSolver model corresponding to a particular application is coded using Julia language. A typical model has less than 100 lines of code, so users can already have a good working algorithm in one day. Additional work on separation routines for problem specific cuts may be needed for top performance. VRPSolver can be downloaded at <https://vrpsolver.math.u-bordeaux.fr>
- * Discuss "creative modeling" on VRPSolver. Several problems that are not standard VRPs can be possibly modeled by using non-trivial transformations, obtaining quite good performances. Known examples include Generalized Assignment Problem, Bin Packing and Vector Packing Problems, Parallel Machine Scheduling and Robust VRP.
- * Present to the community the open-source Branch-Cut-and-Price (BCP) framework Coluna, that is being developed collaboratively in Julia language and is available under Mozilla Public Licence. VRPSolver currently uses a private BCP framework. Future versions of VRPSolver will be based on Coluna, allowing much more user control on the algorithm strategies. Coluna should also feature support for parallel computing.
- * Provide an overview of challenging future applications of VRPs.
- * Show case BCPs for Graph Coloring problems.

Winter School on Optimization and Operations Research

Zinal, Switzerland, 19-24 January, 2020

[Website](#)

The objective of the Winter School is to expose the audience to modern topics on Data Science, Optimization and Operations Research. Every year, two prominent researchers are invited to provide tutorials on selected topics, and to discuss some of their recent research with the students. Designed for doctoral education, the course is open to academic researchers (professors, researchers, PhD students) and professionals (from industry and public authorities), interested in optimization and operations research.

In addition to the lectures, workshops will be organized every day where the students will have the opportunity to work on recent papers of the invited lecturers, under their guidance.

EARLY REGISTRATION deadline: **December 16** for early registration

Regular: 500 CHF

Students and staff from Swiss universities: 200 CHF

LATE REGISTRATION

Regular: 600 CHF

Students and staff from Swiss universities: 300 CHF

ECTS CREDITS

The course is worth 2 ECTS credits. The students who need to be evaluated to obtain the credit must inform the organizer during registration.

EWG ENOG, EURO working group on Network Optimization

Winter School Netopt2020

Estoril, Portugal, 20-24 January, 2020



[Website](#)

The 9th edition of the Winter School on Network Optimization will take place at Hotel Estoril-Éden, Monte Estoril, from the 20th to the 24th of January 2020.

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:

Arie Koster (RWTH Aachen University) - Robust Network Optimization;

Elena Fernandez (Universidad de Cadiz) - Formulations for Location-Routing;

Hande Yaman (KU Leuven) - Hub Location Problems;

Ivana Ljubic (ESSEC Business School of Paris) - Branch-and-Benders-cut algorithms: modern implementations of Benders Decomposition;

Mario Ruthmair (University of Vienna) - Optimization in Social Networks.

The event is also endorsed by the EURO (the Association of European Societies) and APDIO (the Portuguese OR society).

Potential participants are invited to submit their CVs to the address netopt2020@fc.ul.pt no later than the **31st October**.

ROADEF - Association Française de Recherche Opérationnelle et d'Aide à la Décision



ROADEF2020

Montpellier, France, 19-21 February, 2020

Website

The annual congress of the French Society for Operational Research and Decision Support (ROADEF) brings together academics and industrialists from several countries each year.

The objective of this congress is to participate in the training of young researchers and to encourage exchanges and collaborations between academic and industrial researchers working in the discipline. With the support of several sponsors, this 19th ROADEF Congress will offer a very rich scientific programme:

- * Plenary Sessions and Tutorials
- * Best Student Paper Award
- * Exchange and communication forum
- * ROADEF General Assembly
- * GDR RO Annual Meeting

Submission deadline **15th November 2019**.

EWG POR, EURO working group on Practice of OR



3rd conference of the EURO Working Group on the Practice of Operations Research

Berlin, Germany, 19-20 March, 2020

Website

Challenges in the deployment of OR projects

We invite you to contribute to our discussions at the 3rd EWG-POR conference. Our focus will be OR projects that have met with difficulties during their implementation, including

- * particularly tricky or unusual technical requirements that had to be addressed during the development phase; or
- * issues related to the use or acceptance by non-OR-expert end-users.

Contributions that discuss experiences with the management of change in operations due to the introduction of an optimization or analytics application in an organization are of particular interest.

Please send your (maximum of) 1-page abstract in MS Word or PDF format to ewgporberlin@zib.de.

Submission deadline: **10 December, 2019**

Keynotes:

- Optimization in Finance – Practice and Challenges by Adrian Symolka, Managing Director at Axioma, Germany
- Delivering OR Solutions for Everyday Operations in Energy Trading by Colin Silvester, Senior Modelling Specialist at Uniper, UK
- Successful Value Chain Optimization at a Chemical Company by Steffen Klosterhalfen, Operations Research Expert at BASF SE, Germany

Preliminary programme, information and registration (free): https://ewg_por_berlin_2020.eventbrite.co.uk

EWG EU/ME, EURO working group on Metaheuristics

4th International Conference on Intelligent Systems, Metaheuristics & Swarm Intelligence (ISMSI 2020)



Thimphu, Kingdom of Bhutan, 21-22 March, 2020

[Website](#)

The main objective of ISMSI 2020 is to present the latest research and results of scientists related to Intelligent Systems, Metaheuristics & Swarm Intelligence topics. This conference provides opportunities for the delegates to exchange new ideas face-to-face, to establish business or research relations as well as to find global partners for future collaborations. We hope that the conference results will lead to significant contributions to the knowledge in these up-to-date scientific fields.

Important Dates

Submission Deadline **October 30, 2019**

Acceptance Notification November 25, 2019

Registration Deadline December 10, 2019

EWG PMS, EURO working group on Project Management and Scheduling

PMS 2020 - 17th International Workshop on Project Management and Scheduling



Toulouse, France, 15-17 April, 2020

[Website](#)

The Workshop is held every two years in different locations around Europe. This event brings together researchers and practitioners from different disciplines of Computer Science, Operational Research, Optimization Engineering, Mathematical Programming and Industrial Engineering. The Workshop covers theoretical results and algorithmic developments in the fields of Project Management and Scheduling, including project management and scheduling practice and applications to real-life situations.

Methodological/theoretical papers related to Operations Research, Artificial Intelligence/Machine Learning models, exact and heuristic algorithms for scheduling problems are welcome as well papers dealing with data-driven approaches, practical applications and industrial case studies.

All researchers, academics, PhD students and practitioners working on the Workshop themes are invited to participate to PMS 2020 submitting an extended abstract (length 4 single-spaced A4 pages). Templates and guidelines to authors are available on the PMS 2020 website. These 4-page submissions will be reviewed according to the standard reviewing process of international Workshops. A selection of submissions will be presented during the Workshop.

Important deadlines:

Paper submission: **31st October 2019**

Notification of acceptance: 31st January 2020

Final paper due date: 14th February 2020

Early registration: 14th February 2020

EWG DSS, EURO working group on Decision Support Systems



DSS
DECISION SUPPORT
SYSTEMS

ICDSST 2020 International Conference on Decision Support System Technology

Zaragoza, Spain, 27-29 May, 2020

[Website](#)

Cognitive Decision Support Systems & Technologies

The Organizing Committee of the ICDSST 2020 invites researchers, developers and specialists in the related areas of decision making, including its methodologies and technologies, as well as application oriented practitioners directed to the implementation of solutions for DSS challenges to submit their work to the ICDSST 2020.

Full Papers:

Full papers should be 11-13 pages long using **LNBIP template** from Springer by following "Instructions for Authors".

Short Papers:

Short papers should have up to 6 pages and should use the Short-Paper ICDSST 2019 Template.

Posters:

Posters should use the Poster ICDSST 2020 Template, which is set up to yield a 70 cm x 100 cm vertical poster. Printing of Posters for exhibition on the Conference Hall, will be at the responsibility of their own authors.

Deadlines for Submissions:

Submission of full papers: **30 November 2019**

Submission of short papers: 1 March 2020

Submission of posters: 15 March 2020

EWG STOCHMOD, EURO working group on Stochastic Modelling



STOCHMOD
STOCHASTIC
MODELLING

8th Stochastic Modelling Meeting (STOCHMOD 2020)

Milan, Italy, 10-12 June, 2020

[Website](#)

The scope of the StochMod meeting includes both theoretical advances in stochastic modelling techniques and relevant applications. The contribution may lie in the formulation of new stochastic models, in the development of new analytical methods, or in the innovative application of existing models and methods. Its eighth edition will take place in Milan, at Politecnico di Milano.

We welcome submissions of abstracts about your recent research in any of the areas listed above. This may cover a recently published paper (or a series of papers) or work in progress. To submit an abstract, detailed instructions and template files are published on the conference website.

Conference important dates

* **February 16, 2020:** Abstract submission;

* March 9, 2020: Acceptance/Rejection Notification;

* April 30, 2020: Final Camera-ready Abstracts.

NOTE: Abstracts should not exceed 2 pages and should be prepared using LaTeX.

Authors are invited to submit their abstracts at the following link:

<https://easychair.org/account/signin?l=05viYdRW4mKxjppU3t4FJT>

MINLP workshop

London, UK, 11-12 June, 2020

Website

We're holding an MINLP Workshop in at Imperial College London, 11-12 June (right after IPCO). The workshop will have a mix of invited talks, contributed talks, and posters. If you're interested to attend (and possibly present some work), please submit here by **15 December 2019**:

https://docs.google.com/forms/d/1BbWDZ-jsxJfFbRIHkrBB17rJAynDdo8s5VL0vYBHUHs/viewform?edit_requested=true

EWG EWGLA, EURO working group on Locational Analysis

ISOLDE XV and EWGLA XXVI

**Hamburg and Timmendorfer Strand, Germany,
14-19 June, 2020**



Website

The meeting intends to gather the operations research community from different parts of the world to share experiences in the field of locational analysis. We invite participation from all areas related to location theory including, but not limited to:

- * Continuous Location
- * Network Location
- * Discrete Location
- * Hub Location
- * Location and Logistics
- * Location decisions in traffic planning
- * Network Design
- * Location under Uncertainty
- * Location and Routing
- * Applications of Location Problems
- * Territory Design

IMPORTANT DATES

Dec. 1, 2019 - Start of abstract submission
Jan. 31, 2020 - End of abstract submission
Feb. 20, 2020 - Notification of acceptance
Feb. 15, 2020 - Start early registration 2020
Mar. 15, 2020 - End early registration
Jun. 14 - 19, 2020 - Conference

Optimization 2020

Aveiro, Portugal, 27-29 July, 2020



Website

Optimization 2020 is the tenth edition of a series of Optimization international conferences held every three or four years, in Portugal.

This meeting will be held in the University of Aveiro, July 27-29, 2020, and aims to bring together researchers and practitioners with common interests in optimization. This conference series has international recognition and is being organized under the auspices of APDIO (the Portuguese Operations Research Society).

Confirmed plenary speakers:

Regina Burachik | University of South Australia
Jacques Desrosiers | HEC Montréal
Mirjam Dür | University of Augsburg
Ivana Ljubic | ESSEC Business School of Paris
Melvyn Sim | National University of Singapore
Marc Teboulle | Tel Aviv University

EWG/DSO Data Science meets Optimization

COSEAL workshop

Bruges, Belgium, 23-25 August, 2020



EWG/PATAT Practice and Theory of Automated Timetabling

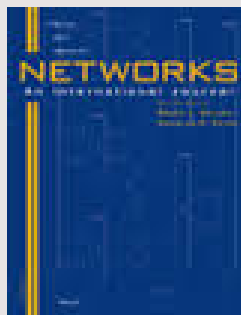
PATAT 2020

Bruges, Belgium, 25-29 August, 2020

SAVE THE DATES

Two EWG meetings are co-located in 2020. More information will be published soon.

Publications



Networks

Special Issue: Call for Papers on the Network Analytics and Optimization

Guest Editors: **Christina Büsing and Markus Leitner**

Deadline for submission: **October 20, 2020**

Networks are a ubiquitous tool that provides a framework to model and analyze a multitude of relevant and challenging problems in various domains, e.g., transportation and logistics, social network analysis, computer science, information and communication, healthcare. New methods for a profound analysis of networks are important for rigorous decisions in the underlying applications. The aim of this special issue to be published on the occasion of EURO 2019 is to collect high-quality manuscripts related to Networks Analytics and Optimization. Submissions are not restricted to work presented at **EURO 2019** but we particularly encourage the submission of manuscripts related to talks given at this conference. Theoretical papers and articles addressing timely and relevant applications are equally welcome.

Research and review articles are invited. Submitted manuscripts should not have been published previously, nor be under consideration for publication elsewhere (except conference proceedings papers). All manuscripts will be refereed through a peer-review process, according to the usual standards of the journal. More information about submission guidelines can be found at <https://onlinelibrary.wiley.com/page/journal/10970037/homepage/forauthors.html>.

Submit a full paper by sending a pdf to buesing@math2.rwth-aachen.de or m.leitner@vu.nl ideally with a subject containing the text **Submission to Networks SI (EURO 2019)**.



Transactions on Fuzzy Systems

Special Issue: Call for Papers on

Smart Fuzzy Optimization in Operational Research and Renewable Energy: Modelling, Simulation and Application

Guest Editors: **Gerhard-Wilhelm Weber, Pandian Vasant, Gilberto Perez Lechuga**

Deadline for submission: **November 1, 2019**

Website

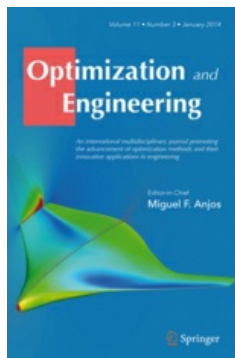
Objective of this special issue is to explore latest modelling, simulation and fuzzy optimization, related with and renewable energy, electronics and electricity, and various related subjects. This offers a concentrative venue for researchers to make rapid exchange of ideas and innovative research findings in fuzzy optimization and Operational Research. In particular, new interdisciplinary approaches in fuzzy optimization applications, computer science and engineering applications, or strong conceptual foundations in newly evolving topics are especially welcomed. We invite researchers and experts worldwide to submit high-quality innovative research papers and critical review articles on the subsequent potential topics.

All authors should read 'Information for Authors' before submitting a manuscript
<http://cis.ieee.org/ieeetransactions-on-fuzzy-systems.html>.

Submissions should be through the IEEE TFS journal website <http://mc.manuscriptcentral.com/tfs-ieee>. It is essential that your manuscript is identified as a Special Issue contribution:

*Ensure you choose '**Special Issue**' when submitting.

*A cover letter must be included which includes the title '**Special Issue on Smart Fuzzy Optimization in Operational Research and Renewable Energy: Modelling, Simulation, and Applications**'



Optimization and Engineering

Special Issue: Call for Papers on Multiobjective Optimization and Decision Making in Engineering Sciences

Guest Editors: **Jussi Hakanen, Richard Allmendinger**

Deadline for submission: **November 30, 2019**

The emergence of advanced technologies and digitalization has been changing our world and leading to a situation where physical assets are being augmented heavily with non-physical assets. In addition to widely used simulation-based optimization, data-driven optimization approaches have become more popular in engineering sciences due to availability of large amounts of data collected in every field (e.g. from IoT, sensors, experimental measurements etc.). Therefore, the effective combination of data and advanced engineering and management technologies and skills is becoming a key asset to a company urging the need to rethink how to tackle modern decision making problems. The consideration of various competing factors related to business, technical, workforce, safety and environmental aspects further increases the complexity of decision making and leads to multiple criteria decision making (MCDM) problems. This special issue focuses on the intersection between Engineering, Data Science, Multiple Criteria Decision Making (MCDM) and Multiobjective Optimization (MO). The development of new models and algorithmic methods to solve such problems is in the focus as much as the application of these concepts to real problems. The aim of the issue is to bring together academics and practitioners with different expertise, in particular, in engineering, computer science, mathematics, data science and business.

This special issue is connected to but not restricted to papers presented at the 25th International Conference on Multiple Criteria Decision Making, MCDM2019 (held in Istanbul, Turkey, in June 2019). All submissions related to the development/application of multi/many-objective optimization in engineering are welcome. Especially, submissions considering novel approaches combining engineering and data science are highly encouraged.

Submission instructions

Papers should be submitted online at <https://www.opte-journal.com> and the submission deadline for full-length papers is November 30, 2019. Upon manuscript submission, please select the special issue "MCDM 2019".



Journal of Combinatorial Optimization

Special Issue: Call for Papers on Theory and Applications in Combinatorial Optimization

Guest Editors: **John Baptist Gauci and Silvano Martello**

Deadline for submission: **December 1, 2019**

This special issue will present recent advances in all areas of Combinatorial Optimization.

The issue will be based on contributions presented at the ECCO XXXII Conference, St. Julian's (Malta) May 30-June 1st 2019, but the invitation to submit is extended to all ECCO and CO members.

Main topics of interest are (but not restricted to):

- Exact methods
- Approximation algorithms
- Graphs and networks
- Heuristics
- Mathematical programming
- Metaheuristics
- Scheduling

All articles will be thoroughly refereed according to the high standards of the Journal of Combinatorial Optimization. The full papers must be submitted through the Springer Editorial System. Be sure to note that your work is intended for the Special Issue “s.i.:ECCO2019” .

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



International Transactions in Operational Research (ITOR)

Special Issue: Call for Papers on OR and Big Data in Agriculture

Guest Editors: **Víctor M. Alborno**, **Héctor Cancela**, **Alejandro Mac Cawley**, **Sergio Maturana**, **Andrés Weintraub**

Deadline for submission: **December 31, 2019**

[Website](#)

This special issue of the International Transactions of Operational Research aims at collecting contributions that define the state of the art to support decision-making problems in smart farms, agricultural supply chains, precision agriculture, forestry, aquaculture, small scale farming, land use and environmental protection using Operations Research methodologies and Big Data techniques.

Although we strongly encourage authors who present their work at the international conference BigDSSAgro 2019 to submit their manuscripts, this Call for Papers is open to the entire operations research community.

Each paper will be peer-reviewed according to the editorial policy of the International Transactions in Operational Research (ITOR), published by the International Federation of Operational Research Societies (IFORS). Papers should be original, unpublished, and not currently under consideration for publication elsewhere. Contributions 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.



Annals of Operations Research

Special Issue: Call for Papers on Business Analytics and Operations Research

Guest Editors: **S. K. Neogy**, **R. B. Bapat**, **K. Manjunatha**, **Asha Kamath**

Deadline for submission: **January 31, 2020**

[Website](#)

For this special issue, we expect original research papers of high quality providing theoretical and/or practical applications of business analytics and operations research models. We especially welcome innovative contributions of new methods and applications of operations research models involving large scale data analysis from business or real-life problems. In particular, we encourage speakers at the international Conference on Business Analytics and Operations Research held during June 14 - 16, 2019, to submit full, extended versions of their presented

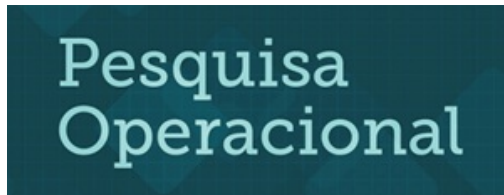
papers. However, other relevant papers are also welcome.

Contributions arising from papers given at a conference should be substantially extended, and should cite the conference paper where appropriate.

Instructions for authors can be found at:

<http://www.springer.com/business/operations+research/journal/10479>

Be sure to leave a comment that your work is intended for the special volume and to select the article type **S.I. : Business Analytics and Operations Research**.



Special Issue: Call for Papers on Recent Advances in Lot Sizing

Guest Editors: **Kerem Akartunali, Maristela O. dos Santos, Raf Jans, Silvio A. de Araujo**

Deadline for submission: **January 31, 2020**

Production planning seeks to efficiently plan the production activities as well as the acquisition of the raw materials and resources required to transform raw materials into finished products in order to meet customer demand in the most economical way possible. The decisions to be made include but are not limited to work force levels, production lot sizes and the sequencing of production runs, while the ultimate aim is to determine the optimal timing and level of production.

Lot sizing problems are clearly present in many industrial contexts, and in spite of being studied for more than 60 years, the community still faces many challenges in the field, ranging from modeling paradigms to the design and experimental evaluation of efficient methods and algorithms. In view of its importance and applicability, this special issue of Pesquisa Operacional aims to invite researchers to submit original unpublished works, reviews, and case studies demonstrating recent advances in lot sizing.

Contributions may cover exact methods, relaxation, decomposition and lower bounding schemes, approximate methods, heuristics and metaheuristics, hybrid methods, simulation, big data, and integrated models arising from real-world situations as well.

Instructions to authors: <http://www.scielo.br/pope>



Annals of Operations Research

Special Issue: Call for Papers on Data-Driven Operations Research in Transportation and Logistics

Guest Editors: **Guoqing Zhang, Xiang Li, Tatsushi Nishi**

Deadline for submission: **January 31, 2020**

[Website](#)

Big Data brings about a mix of opportunities for and challenges to the development of intelligent transportation and logistics industries. Incorporating the tremendous trove of data and data analytics into operations research greatly increases capabilities to solve real-world complex problems. Data-driven operations research is widely considered to be a new and promising tool to enable better decisions and a driver of operation management in transportation and logistics.

This special issue calls for papers that present the methodologies of data-driven operations research in transportation and logistics, report on the linkages between methodology and practice of optimization, and elaborate on state-of-the-art case studies in selected areas of application. We hope this special issue will be a platform for researchers coming from academia and industry.

In particular, we invite speakers at the International Conference on Intelligent Transportation and Logistics with Big Data, held during July 26 - 29, 2019, to submit full, extended versions of their presented papers. However, other relevant papers are also welcome.

Contributions arising from papers given at a conference should be substantially extended, and should cite the conference paper where appropriate. Instructions for authors can be found at:



International Transactions in Operational Research (ITOR)

Special Issue: Call for Papers on Metaheuristics

Guest Editors: **Andrés L. Medaglia, Jorge E. Mendoza, Celso Ribeiro, Rubén Ruiz, Juan G. Villegas**

Deadline for submission: **January 31, 2020**

[Website](#)

The International Transactions in Operational Research (ITOR) will publish a special issue dedicated to "Metaheuristics". Papers covering all aspects of metaheuristic research and applications are welcome, including (but not limited to):

*New algorithmic developments and hybrid metaheuristics.

*Industrial applications, and challenging new problems arising in the fields of big data, machine learning, analytics, bioinformatics, transportation and logistics, just to cite a few.

*New research challenges, theoretical developments, implementation issues, in-depth experimental studies,

*The interface of metaheuristics with other disciplines, such as agent-based models, integer programming (metaheuristics), constraint programming, and machine learning, among others.

Although we strongly encourage authors who attended the 13th Metaheuristics International Conference (MIC 2019), held in Cartagena (Colombia) on July 28–31, 2019, this Call for Papers is also open and welcomes submissions from the entire community of academics and practitioners.

Submission website: <http://mc.manuscriptcentral.com/itor> (indicating in the cover letter that the paper is intended for this special issue).

Instructions to authors that can be found on the journal homepage

(<https://onlineibrary.wiley.com/page/journal/14753995/homepage/forauthors.html>)



Operations Research

Special Issue: Call for Papers on Behavioral Queueing Science

Guest Editor: **Armann Ingolfsson, Avishai Mandelbaum, Kenneth L. Schultz, Galit B. Yom-Tov**

Deadline for submission: **February 1, 2020**

Customers and servers in queueing systems co-produce service. Successful design and operation of queueing systems requires an empirically-grounded understanding of how customers and servers behave and mathematical models that incorporate salient aspects of customer and server behavior. In this special issue, we aim to publish articles that advance knowledge about how servers and customers behave and interact, and how such behaviors can be inferred, modelled and analyzed. We wish to advance the dialogue between empirical researchers, data scientists, and mathematical modelers. We are looking for papers that fall into one (or both) of the following categories:

1. Large data studies or field or laboratory experiments, as well as other empirical work that investigates mechanisms through which server or customer behavior impacts or is affected by system performance, or compares the empirical findings to predictions from existing mathematical models.

2. Analytical work that involves the formulation, analysis, and validation of mathematical models that are informed by empirical evidence regarding server or customer behavior.

We particularly wish to encourage papers that fall into both categories, namely, that make both empirical and theoretical contributions. All analysis methods are welcome.

Submissions will be evaluated based on their contribution towards improved understanding of the behavior of servers and customers, development of insightful methods to analyze queueing-related data, and development of better models of queueing and service systems.

Please submit your manuscript online in ScholarOne Manuscripts at: <http://mc.manuscriptcentral.com/opre>. You must select **Special Issue on Behavioral Queueing Science** as the Manuscript Type in Step 1 of the submission process.

Prizes and Awards

Franz Edelman Award



Website

The competition for the **Franz Edelman Award** is now accepting submissions for the 2020 award. This INFORMS prize recognizes and rewards outstanding examples of operations research, management science, and advanced analytics.

Think of a recent project that you have completed; think of the impact; think of the money, time, or lives saved. Shouldn't you share that with the world? The Edelman Competition showcases the six best advanced analytics and operations research projects of the year—this could be your year to win!

To apply, please submit a document containing a three-page summary (a maximum of 1500 words) that describes what you accomplished, in just enough detail to let us judge the appropriateness of your work for the competition.

Apply by **October 16th 2019**.

Upcoming Conferences

Click on the table below to download a pdf of upcoming events

20th-22nd October 2019	2019 INFORMS Annual Meeting	Seattle, USA	15th-May 2019
25th-27th October 2019	9th International Conference on Algorithmic Decision Theory	Durham, NC, USA	14th-April 2019
28th-31st October 2019	2019 International Conference on Multiple Objective Programming and Goal Programming (MOPGP)	Marrakech, Morocco	20th-May 2019
7th-9th November 2019	Frontiers in the Dynamic Network Society & Small-Inland Economies	Cusco	20th-September 2019
8th-9th November 2019	Koeben 2019 (Colloquium on Combinatorics)	Fulderborn, Germany	11th-October 2019
21st-22nd November 2019	Aufere School on Advanced BCF Tools	Paris, France	
23rd-25th November 2019	Decision Sciences Institute Annual Conference	New Orleans, Louisiana	26th-May 2019
4th-9th December 2019	ISC M 2019 International Conference on Logistics and Supply Chain Management	Tehran, Iran	21st-September 2019
4th-10th December 2019	2019 Winter Simulation Conference	Maryland, USA	12th-April 2019
8th-12th December 2019	AMST 2019	Valdivia, Chile	20th-September 2019
12th-15th December 2019	MSTA 2019, Multidisciplinary International Scheduling Conference: Theory & Applications	Ningbo, China	20th-September 2019
13th-14th December 2019	PCMS International Conference 2019 India	Mumbai, India	31st-August 2019
19th-24th January 2020	Winter School on Optimization and Operations Research	Zinal, Switzerland	16th-December 2019
20th-24th January 2020	Winter School Netopt2020	Estoril, Portugal	31st-October 2019
17th-19th February 2020	OLA 2020 - International Conference on Optimization and Learning: Challenges and Applications	Cardis, Spain	4th-October 2019
19th-21st February 2019	ROADS 2020	Montpellier, France	15th-November 2019
15th-17th March 2020	8th INFORMS Optimization Society Conference	Geneville, SC, USA	15th-December 2019
19th-20th March 2020	3rd conference of the EURO Working Group on the Practice of Operations Research	Berlin, Germany	10th-December 2019
21st-22nd March 2020	ISMP 2020 International Conference on Intelligent Systems, Metaheuristics & Swarm Intelligence	Thimphu, Bhutan	30th-October 2019
30th March-1st April 2020	Simulation Workshop 2020 (SW20)	Loughborough, UK	22nd-September 2019
15th-17th April 2020	PMA 2020 17th International Workshop on Project Management and Scheduling	Toulouse, France	31st-October 2019
15th-17th April 2020	EvrosOP 2020 - The 20th European Conference on Evolutionary Computation in Combinatorial Optimization	Seville, Spain	1st-November 2019
22nd-24th April 2020	17th Meeting of the EWO on cutting and packing (ESICUP)	Iskeda, Spain	
27th-29th May 2020	ICDST 2020: EWG/DSS 6th International Conference on Decision Support System Technology	Zaragoza, Spain	30th-November 2019
4th-6th June 2020	The ECCO 2020 10th Conference	St. Petersburg, Russia	1st-February 2020
8th-10th June 2020	Conference on Integer Programming and Combinatorial Optimization (IPCO 20)	London, UK	29th-November 2019
10th-12th June 2020	8th Stochastic Modeling Meeting (StochMeet 2020)	Milan, Italy	16th-February 2020
11th-12th June 2020	MINIP workshop	London, UK	15th-December 2019
14th-19th June 2020	ISQDE IV & EWGIA XXX	Hamburg, Germany	31st-January 2020
21st-26th June 2020	FORA2020	Seoul-Coin, South Korea	17th-January 2020
24th-26th June 2020	7th IMA Numerical Linear Algebra and Optimization	Birmingham, UK	28th-February 2020
1st-3rd July 2020	EUROPT 2020 - 18th Workshop on Advances in Continuous Optimization	Toulon, France	
6th-17th July 2020	EURO PhD School on Stochastic Optimization	Ankara, Turkey	
10th-19th July 2020	EURO PhD School on Data Driven Decision Making and Optimization	Seville, Spain	1st-February 2020
19th-25th July 2020	EURO PhD School on Sustainable Supply Chains	Lisbon, Portugal	
27th-29th July 2020	Optimization 2020	Aveiro, Portugal	30th-April 2020
23rd-25th August 2020	COEAI workshop	Bruges, Belgium	
25th-29th August 2020	PAIAT 2020	Bruges, Belgium	

Contact Us

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



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