



THE ASSOCIATION OF
EUROPEAN OPERATIONAL
RESEARCH SOCIETIES

EURO Newsletter # 83
June 5, 2020

Visit our Website



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 Elsevier. It was officially launched in 2011. Its Editor in Chief is Dominique Feillet.

We now have 10 **tutorials** published in the series of EURO Advanced Tutorials. Please take a look at our titles:

- ***Orienteering Problems: Models and Algorithms for Vehicle Routing Problems with Profits**
- ***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



EURO 2021
Athens, Greece, 11-14
July, 2021



SAVE THE DATE

The next EURO conference is due to take place in the wonderful location of Athens, Greece, in July 2021. The organising and programme committees are working hard to make this a fantastic conference, with excellent speakers, a fantastic social programme, and opportunities to network. Although times are still uncertain we hope that this will be a perfect opportunity to get together with our international OR colleagues and discuss our rich topics and progress.

Please save the date and watch out for new announcements.



IFORS 2020
The 22nd Conference of the International
Federation of Operational Research Societies

IFORS 2021
Seoul, South Korea,
22-27 August, 2021



SAVE THE DATE

As you know, we had to cancel the IFORS conference scheduled for June 2020. In the last weeks we have been investigating options to hold the conference at a later date.

We are pleased to announce that the IFORS conference has been rescheduled and will take place in Seoul in the week August 22-27, 2021. We are confident that, in more than a year from now, we will be able to travel again and enjoy a wonderful conference, meeting friends and colleagues in person.

Looking forward to meeting you in Seoul next year, we send you our best wishes.

Yours sincerely,

M. Grazia Speranza, IFORS President
Suk-Gwon Chang, IFORS 2020 Organizing Committee Chair
Natashia Boland, IFORS 2020 Program Committee Chair

Teaching OR

Problems and Cases Related to Teaching OR in Schools

[Website](#)

Divulging Operations Research before University

This survey is addressed to professors, researchers, PhD candidates and all academics in Europe and worldwide.

The main goal is to collect data about teaching Operations Research and related didactic activities done by academics in schools (i.e., in primary and secondary schools, high schools and other institutions before University).

We would like to discover projects of this kind.

Which arguments are studied?

Through which instruments, and why?

We are interested in personal experiences and opinions in order to build, develop, and potentially activate, a structured educational project composed, for example, of lessons, lab sessions and group projects. We believe that the activation of this kind of educational path, together with some guidelines to follow, could improve the knowledge of Operations Research among students and teachers in schools. Therefore, we would like to learn what worked and what did not, which aspects have to be considered, to benefit from past and present activities. Furthermore, we would like to gather contacts to exchange ideas and suggestions.

The survey is open until **June 30**.

We appreciate any effort to support this initiative and thank you for your attention.

Alice Raffaele (PhD candidate in Mathematics, University of Trento, Italy)

Alessandro Gobbi (PhD candidate in Information Engineering, University of Brescia, Italy)

**Lots of ways of getting and distributing
information**

Website

Maybe it is a while since you looked at the EURO communication resources available through its website and social media channels.



EURO Forum 

Welcome Sarah. 

Conferences (34 posts) - Conference and workshop announcements and call for papers. 

Last post: Workshop on Natural Computing and Applications within SYNASC, (ONLINE) September 1-4, 2020. Submission of papers: June 15, 2020 Posted on 2020-06-04 by Diane Wilson

Webinars (1 posts) - Webinar announcements 

Last post: New initiative: "" "" Webinar for Analytics Practitioners (WAP)" - The ""_first WAP_"" will be on June 23, 2020, CET 17.00-18.00PM Posted on 2020-05-04 by Bernard Fortz

Jobs (61 posts) - Access to a list of job offers, post an advert for available positions in OR field. 

Last post: 2 Postdoc Positions in ERC project In Machine Learning + Algorithmic Game Theory/Economics and Computation. Zurich. To receive full consideration, applications should be submitted by June 16, 2020. Posted on 2020-06-04 by Sarah Forest

Publications (60 posts) - Information about online publications, EURO newsletter, OR newsletters, tutorial papers, books... 

Last post: European Journal of Operational Research Volume 286, Issue 3, Pages 797-1196 , 1 November 2020 - New Issue Alert Posted on 2020-06-04 by Diane Wilson

Prizes and Awards (17 posts) - Prizes and awards announcements 

Last post: ROADIEP challenge is on the Maintenance Planning. First Deadline: 1st June 2020 Posted on 2020-05-29 by Diane Wilson

Education (9 posts) - Informational material to help students in their work or studies, training course, seminars... 

Last post: New BlueCourses Course: Quantum Machine Learning Posted on 2020-05-29 by Sarah Forest

As a response to the changing environment we have introduced a new **Webinars Forum**:

<https://www.euro-online.org/forums/#/forum/6>

which will allow posting relating to interesting OR webinars to be advertised.

This Forum is one of a suite of **Forums** which anyone registered on the website can post to. **Please do!**

There's also an RSS feed if you want to be notified of any updates.

In addition you can join and post to our **EURO LinkedIn** page at: <https://www.linkedin.com/groups/2112445/>

We also tweet. If you have something you'd like us to retweet please tag us: [@EUROonline_News](https://twitter.com/EUROonline_News)

If all else fails, or you prefer something more personal, you can still reach us by email at: office@euro-online.org

IFORS Developing Countries OR Resources Website



Website

The aim of the Developing Countries On-Line Resources page is to offer the OR worker all publicly-available materials on the topic of Operations Research for Development. It also aims to provide a venue for people who are working in the area to share their completed or in-process work, learn from others, and stimulate comments and discussions on the work. The IFORS activity links with that of the EURO Working Group on OR for Development. This has been a classical connection reflected both in and around all our last EURO and IFORS conferences. And ("free", not prevented by copyright, etc.) submissions to IFORS DC online resources by EURO friends are very much welcome, especially.



Conferences, Schools and Meetings

EURO working group on OR in Sports

4th Eastern Conference on Football Economics and 6th Western Conference on Football and Finance



ONLINE, 3 July, 2020

[Website](#)

This event will now be held ONLINE

Registration for non-speakers is now open. In order to participate, please submit **this registration form** no later than **June 15**. Due to the limited seating capacity, the organizing committee will consider all applications on a first-come first-served basis.

EWG DSO, EURO working group on Data Science meets Optimization

Workshop Data Science meets Optimisation, DSO@IJCAI

ONLINE, 11 July, 2020



[Website](#)

Data science and optimization are closely related. On the one hand, many problems in data science can be solved using optimizers, on the other hand optimization problems stated through classical models such as those from mathematical programming cannot be considered independent of historical data. Examples are ample: Machine Learning (ML) often relies on optimization techniques such as linear or integer programming; reasoning systems have been applied to constrained pattern and sequence mining tasks; a parallel development of metaheuristic approaches has taken place in the domains of data mining and machine learning; methods aimed at high level combinatorial optimization have been shown to strongly profit from configuration, algorithm selection and tuning tools building on historical data; ML models can be embedded in combinatorial optimization problems to address hard-to-model systems, or for validation of the ML model itself; “predict, then optimize” scenarios can be dealt with in an integrated fashion to improve considerably the solution quality.

The aim of the workshop is to organize an open discussion and exchange of ideas by researchers from Data Science, Constraint Optimization and Operations Research in order to identify how techniques from these fields can benefit each other.

IMPORTANT DATES

- **June 10** (AOE): deadline for submitting contributions
- June 15: notification of acceptance
- July 11: workshop

EWG ORD, EURO working group on Operations Research for Development

EWG-ORD Workshop 2020. Data Technologies & Analytics for

Website

Following COVID-19 advisories from S. Africa, the EWG-ORD 2020 Magaliesburg Workshop is going virtual.

EURO Working Group on Operational Research for Development (EWG-ORD) was established in 2006. The organization aims to promote, facilitate, and sponsor communication opportunities among European and global researchers working in the areas of operational research for development. To facilitate this aim, EWG-ORD organizes yearly workshops to promote the vital role operational research plays in improving the lives of people in developing and developed countries.

The EWG-ORD 2020 Workshop welcomes submissions from academics, industry professionals, and other researchers with empirical or applied contributions in OR for development and sustainability. With the onset of the COVID-19 pandemic, the modeling and decision-making landscape is irrevocably changed. A new normal is evolving.

The 2020 Workshop welcomes OR research on all topic areas addressing global issues affecting development and sustainability. Especially appreciated are submissions using new data technologies and analytics for sustainable development. For example:

- Digital technologies in law and business
- Risk mitigation studies
- Applications using AI and Machine learning in banking and finance
- New tech-enabled solutions for transportation and logistics
- New technologies for emergency management (fire, disaster relief, global health hazards, etc.)
- New technologies in education
- Analytics for environmental issues
- Translational studies in neuroscience

Abstract and paper submission procedure: Please email your abstract (~500 words) to submission@ewgord.org.

Please include the proper contact details in the email. The abstract may reference completed works or work-in-progress. The availability of virtual presentation time-slots may limit the number of "live" presenters; however, all accepted abstracts will be published in the online "Book of Abstracts" (i.e., Workshop proceedings).

Online meeting format: The Workshop is managed using the Zoom Meeting software. Each attending presenter is given a 10-minute slot to deliver prepared research findings via a PowerPoint presentation. After each presentation, along with audience participation, there will be a short moderator controlled reaction.

Citations: This is a bibliographic citation event.

Submission deadline: **July 19, 2020**; Notification: July 31, 2020.

Registration: Early bird: 25€ until Aug 15, 2020; Regular: 60€ after Aug 15, 2020

Conference Committee Chairs

Nina Kajiji (NKD Group, Inc. USA)

Gordon H Dash (The University of Rhode Island, USA)

Milagros Baldemor (Don Mariano Marcos Memorial State University, Philippines)

Contact: programme@ewgord.org

Website: <http://bit.ly/EWG-ORD>

Sponsors: EURO, OR Society of South Africa (ORSSA), University of Rhode Island, and NKD Group, Inc., USA

ATMOS 2020 - 20th Symposium on Algorithmic Approaches for Transportation Modeling, Optimization, and Systems

ONLINE, 7-8 September, 2020

Website

ATMOS 2020 (and ALGO 2020) will be held online. The scientific activity of the Programme Committee of ATMOS 2020 (and of the other ALGO 2020 conferences) is not suspended or stopped: peer review, accepted papers,

camera ready and proceedings will be managed as usual. Instructions for authors on how to give their talks online in the virtual room will be provided in due course.

SCOPE

The Symposium on Algorithmic Approaches for Transportation Modelling, Optimization, and Systems (<http://atmos-symposium.eu/>) is an international forum for researchers in the area of algorithms and optimization methods to facilitate planning and operational management of freight and passenger transportation and traffic.

ATMOS brings together researchers and practitioners who are interested in all aspects of algorithmic methods and models for transport optimization. The symposium provides a forum for the exchange and dissemination of new ideas and techniques. The aim of making transportation better gives rise to very complex and large-scale optimization problems requiring innovative solution techniques and ideas from algorithms, mathematical optimization, theoretical computer science, and operations research.

IMPORTANT DATES

Submission deadline: **24 June 2020**

Author Notification: 24 July 2020

Symposium: 7-8 September 2020

Croatian Operational Research Society



KOI 2020

Šibenik, Croatia, 23-25 September, 2020

[Website](#)

International Conference on Operational Research (KOI) brings together researchers and practitioners from various aspects of OR with the aim of establishing contacts, presenting scientific ideas and experiences.

Conference Contact

Croatian Operational Research Society Trg J. F. Kennedyja 6, HR-10000 Zagreb, Croatia E-mail: koi@hdoi.hr
Zrinka Lukač, University of Zagreb Faculty of Economics and Business Trg J. F. Kennedyja 6, HR-10000 Zagreb, Croatia Tel: +385 1 238 3333 Fax: +385 1 233 5633

Keynote speakers

- * Ozren Despić, Aston Business School, UK
- * Sandi Klavžar, Faculty of Mathematics and Physics, University of Ljubljana, Slovenia
- * Yurii Nesterov, Catholic University of Louvain, Belgium
- * Marc Sevaux, ab-STICC, a CNRS laboratory, Université de Bretagne Sud

Special Session

Special session will be devoted to the 80th birthday of our esteemed member, Prof. Sanjo Zlobec from McGill University, Montreal, Canada. The session will be organized by Luka Neralić.

Workshop

Workshop will be organized and held by Prof. Ozren Despić from Aston Business School, UK.

Authors

Instructions for authors who wish to present a paper at the conference KOI 2020 should submit the extended abstract up to 250 words using the online submission system at <http://hdoi.hr/koi-conference/koi-2020/>

Deadlines

June 15, 2020 - Submission of abstracts

July 01, 2020 - Notification of acceptance

September 07, 2020 – Registration fee payment

EWG POR, EURO working group on Practice of OR



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

ONLINE, 28-29 September, 2020

Challenges in the deployment of OR projects

Note that the date has been changed due to COVID-19

The programme will be altered to fit an **online** format. This *may* mean further calls for contributions.

Early registration deadline: **30th August 2020**

Training School on Mixed-integer games (MING2020)

Maastricht, Netherlands, 28-30 September, 2020

Website

The training school on Mixed-Integer Games will take place at Maastricht University from September 28 to 30, 2020. It is jointly organized by GAMENET (the European Network for Game Theory), MINOA (the Mixed Integer and Non-linear Optimisation: Algorithms and Applications consortium) and Maastricht University (both the department of Data Science and Knowledge Engineering (DKE) and Quantitative Economics (QE)). Registrations for the workshop is free but compulsory. You can register here

<https://sites.google.com/view/mixedintegergames/registration>

THE TRAINING SCHOOL

Computational game theory is a rapidly growing field with many applications in the sciences and social sciences. A tractable computational environment to these challenging multi-agent optimization problems is provided by the theory of variational inequalities and monotone operators. These approaches work well for games with continuous strategy spaces and local cost functions satisfying joint monotonicity properties.

Motivated by many problems in engineering and operations research, a recent line of literature investigated the algorithmic foundations of Nash equilibrium in the presence of mixed-integer constraints on the players' action sets. Indeed, such mixed-integer formulations of games are prevalent in control and design of networked systems such traffic networks, unit-commitment problems, supply-chain problems, etc.

A key challenge in the algorithmic design for game theoretic models is that computations have to be performed locally in a distributed way, with as little central coordination as possible. Recently, many advances have been made in this direction for solving large-scale networked mixed-integer problems. The aim of this training school is to discuss possible ways to extend these seminal contributions to game-theoretic problems with potentially non-linear payoffs, so that the individual agents' problem are going to be mixed-integer non-linear optimization problems.

IMPORTANT NOTE

Due to the current situation regarding the Corona virus, MING2020 may possibly only be held virtually. We will inform you on our website as soon as there is news.

IMPORTANT DATES

- * Registration Deadline: **June 30, 2020**
- * Notification of Acceptance: July 14, 2020
- * Workshop: September 28-30, 2020

EWG HOpe, EURO working group on Humanitarian Operations

Fifth EURO HOpe mini conference

Helsinki, Finland, 14-15 October, 2020

Website



We welcome researchers' and practitioners' submissions focusing on the technologies, OR methods, models, simulations and tools that can be used to improve humanitarian response in an increasingly complex and dynamic world. Contributions on the broad topics of humanitarian supply chains including refugees, health, conflicts, natural disasters, preparedness as well as creative and critical reflections are welcome. We are especially looking for contributions that discuss cash, vouchers, financial assistance for beneficiaries, as well as work that compare different modalities (cash vs in-kind).

REGISTRATION deadline is September 30. There is no registration fee. Limited financial aid is available for practitioners' travel costs.

Authors, who would like to present their work at the conference, are invited to submit a 250-word abstract for consideration by the scientific committee. This can include both completed work and ongoing research. Presentations of results from empirical work and "Insights from the Field" are especially welcome.

Abstracts must be submitted online at: **EASYCHAIR** and received by **1 July**, 23:59 Finnish time.

EWG EU/ME, EURO working group on Metaheuristics

ICVNS - 8th International Conference on Variable Neighborhood Search

Abu Dhabi, UAE, 22-25 October, 2020



[Website](#)

The 8th International Conference on Variable Neighborhood Search (ICVNS 2020) will be co-organized by the Research Center on Digital Supply Chain and Operations Management (DSO) at Khalifa University, Abu Dhabi and the EURO Working Group on Metaheuristics (EWG EU/ME). The main goal of the ICVNS 2020 is to provide a stimulating environment in which researchers coming from various scientific fields can share and discuss their knowledge, expertise and ideas related to the VNS Metaheuristic and its applications. The aim of the 8th International Conference on VNS is to allow specialists and practitioners on Variable Neighborhood Search to effectively screen papers and participate in lively debates.

Deadlines

Submission deadline : **June 15, 2020**

Notification to authors : July 15, 2020

Early registration deadline : August 1, 2020

Preliminary program schedule notice : October 1, 2020

Conference date : October 22, 2020 - October 25, 2020

Camera-ready due : November 15, 2020

Benchmarked: Optimization Meets Machine Learning

Leiden, The Netherlands, 9-13 November, 2020

[Website](#)

SAVE THE DATE

A workshop Optimization Meets Machine Learning at the Lorentz Center in Leiden, the Netherlands.

More details to follow when the programme is announced.

Scientific organizers:

Joaquin Vanschoren, Eindhoven University of Technology

Thomas Stützle, Université Libre de Bruxelles (ULB)

Marc Schoenauer, INRIA Saclay

Mike Preuss, Leiden University

Carola Doerr, CNRS and Sorbonne University

EWG DSS, EURO working group on

[Website](#)

SAVE THE DATE

The 7th International Conference on Decision Support System Technology (ICDSST 2021), to be organised by EWG-DSS in conjunction with Loughborough University will be held in Loughborough, UK during 26-28 May 2021. Submission deadline for long papers is **30 November 2020**.

EURO working group on Lot Sizing

IWLS – International Workshop on Lot Sizing

Oslo, Norway, 30 August - 1 September, 2021



[Website](#)

This Event has been postponed to 2021

The 11th edition of the International Workshop on Lot Sizing will be held in Oslo, Norway. The venue of the workshop is BI Norwegian Business School.

As in the previous years, the goal of the workshop is to cover recent advances in lot sizing: new approaches for classical problems, new relevant problems, integration of lot sizing with other problems such as scheduling, distribution or vehicle routing, presentation of case studies, etc. The workshop will also aim at favouring exchanges between researchers and enhancing fruitful collaboration.

Publications



OR Spectrum

Special Issue: Call for Papers on Multicriteria Optimization in Industry

Guest Editors: **Karl-Heinz Küfer, Kaisa Miettinen, Stefan Ruzika, Serpil Sayin**

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

[Website](#)

Most real-world optimization and decision-making problems comprise several, partly conflicting objective functions. Multicriteria mathematical modeling and optimization is a well-established discipline which provides mathematical methods and algorithmic approaches for coping with such situations. Besides being an inspiring theoretical research area, multicriteria optimization has proved to facilitate decision-making situations allowing reliable and provably good decisions. Since substantial advances in terms of theory have been made and since computational capabilities developed significantly in the last decades, more and more models reflect the multicriteria nature of real-world applications.

This special issue aims at presenting original and innovative pieces of research in multiobjective optimization which combine both, a sound theoretical work and a practical impact in some real-world application. Ideally, the problem

under consideration is inherently multicriteria and triggered a theoretical development which then caused a boost in terms of the application.

All domains of applications as well as all theoretical streams of multicriteria optimization are eligible for this special issue. Contributions should investigate novel approaches, be it on the side of modelling, computational solution procedures, technologies, or analytics, applied to real-world application problems. In line with the aims and scope of OR Spectrum, manuscripts should emphasize the practical relevance and the methodological contribution of the work.

This Call is the first extension of the deadline of a prior Call.

Submission Guidelines and Review Process: Papers must be submitted at <http://www.editorialmanager.com/orsp/> under the category "Multicriteria Optimization in Industry" by July 31, 2020. All papers submitted to this special issue should report original work and make a contribution to the journal OR Spectrum by using a quantitative research paradigm and OR methodologies. According to the aims of OR Spectrum, high quality papers are wanted that match the scope of the journal, show rigor in applying state-of-the-art OR techniques, and promise to have an impact on future work of the 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. 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.



Healthcare Management Science

Special Issue: Call for Papers on Management Science in the fight against Covid-19

Guest Editor: **Alec Morton**

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

As our societies re-orient and mobilise to face the threat of Covid-19, Management Scientists have a critical role to play in supporting decision making and ensuring that the economy continues to operate as safely, sustainably and efficiently as possible, given the ongoing need to disrupt transmission of the virus. Management scientists already have a great deal of experience in planning healthcare capacity, in analysing and improving medical supply chains, in configuring clinical networks involving both acute and community care, and in scheduling mobile healthcare workers, such as ambulances but also paramedics and health visitors: the threat of Covid-19 is requiring decision makers to revisit their planning in all of these areas, in the face of drastically increased demand for care for Covid-19 patients and changed demand patterns for other forms of care. The need for the rollout of large-scale testing and contact tracing poses challenges which have been relatively little studied: what level and what mix of testing is required and where should test centres be located and how should tests be delivered to patients? how can contact tracing be optimally delivered, using what mix of human resource and digital technologies, and how should resources be deployed, given that the demand for contact tracing is driven by outbreaks and so is intrinsically highly variable? Widespread social distancing also demands scientific investigation from the point of view of our discipline: as many systems in our society require intensive concentrations of and high throughput in human beings (either as staff or as customers), social distancing threatens to radically reduce capacity, prompting the need to re-think pre-pandemic work processes, organisational structures and stimulating the development and rollout of transformative technologies. Finally, management scientists, with their strong decision focus, are well-placed to help capture and integrate findings and insights from other disciplines, such as epidemiology, economics and behavioural science: particularly as there are so many prominent uncertainties in the trajectory of the epidemic, the development of treatment and preventive technologies and the responses of the political systems in the various countries of the world; and also in light of the need to balance so many competing priorities, such as the need to protect people's lives and health, the need to protect the economy, the need to guard against the risk of future waves of infection, and concern for the worst off.

This special issue welcomes papers on all the above topics and others relating to the role which Management Science can play in the fight against Covid-19. Papers can be submitted at any time prior to 31st October 2020 and will be assigned to reviewers and reviewed as they are submitted. Manuscripts should conform to the journal's **Submission Guidelines**. Submissions should be made through the journal's **Editorial Manager** site and authors wishing their paper to be considered for the Special issue should select *Covid-19* as the article type.

To ensure that research is made available in a timely fashion, reviewers will be asked to choose from accept, minor revisions or reject options, in order to avoid papers becoming tied up in major revisions. Papers will be published online on acceptance, in advance of a planned special issue date of March 2021. We encourage authors to post their papers in open repositories (e.g. ArXiv, Researchgate, SSRN etc) during the review process.

In order to facilitate rapid and high quality turnaround, the special issue will operate with an expanded international editorial team, which is listed below. Authors should indicate in a cover letter the editor whom they think would be best placed to handle their paper.

Alec Morton * University of Strathclyde UK
David Hutton University of Michigan USA
Ebru Bish * Virginia Tech USA
Ed Kaplan Yale University USA
Itamar Megiddo * University of Strathclyde UK
Jianbin Li Huazhong University of Science and Technology China
Jie Song Peking University China
Julie Higle University of Southern California USA
Marion Rauner University of Vienna Austria
Mart Janssen Sanquin Netherlands
Monica Oliveira University of Lisbon Portugal
Na Geng Shanghai Jiaotong University China
Roberto Aringhieri University of Turin Italy
Sally Brailsford University of Southampton UK
Sarang Deo Indian School of Business India
Shankar Prinja PGIMER India
Sheetal Silal University of Cape Town South Africa
Silvio Hamacher PUC-Rio Brazil
Weifen Zhuang* Xiamen University China

* coordinating editors



Special Issue: Call for Papers on Parameterized Algorithms in Bioinformatics

Guest Editors: **Laurent Bulteau, Mathias Weller**

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

[Website](#)

Bioinformatics raise challenges of all kinds for computer scientists. With sequences, trees, networks, and graphs, data come in a large variety of forms and yield many interesting and often computationally difficult problems. Parameterized algorithms make it possible to find exact solutions to these problems efficiently, often making use of the inherent structure of biological data. From sequence comparison and genome assembly to second-structure prediction and phylogenetics, parameterized algorithms can be and have been applied to all facets of bioinformatics in order to improve running times and/or the quality of results. In this Special Issue we invite authors to submit high-quality papers exploring parameterized solutions to bioinformatics problems.

Manuscripts should be submitted online at www.mdpi.com by **registering** and **logging in to this website**. Once you are registered, **click here to go to the submission form** Manuscripts can be submitted until the deadline. All papers will be peer-reviewed. Accepted papers will be published continuously in the journal (as soon as accepted) and will be listed together on the special issue website. Research articles, review articles as well as short communications are invited. For planned papers, a title and short abstract (about 100 words) can be sent to the Editorial Office for announcement on this website.

Submitted manuscripts should not have been published previously, nor be under consideration for publication elsewhere (except conference proceedings papers). All manuscripts are thoroughly refereed through a single-blind peer-review process. A guide for authors and other relevant information for submission of manuscripts is available on the **Instructions for Authors** page. **Algorithms** is an international peer-reviewed open access monthly journal published by MDPI.

Please visit the **Instructions for Authors** page before submitting a manuscript. The **Article Processing Charge (APC)** for publication in this **open access** journal is 1000 CHF (Swiss Francs). Submitted papers should be well formatted and use good English. Authors may use MDPI's **English editing service** prior to publication or during author revisions.



Annals of Operations Research

Special Issue: Call for Papers on Operations Research for Neuroscience III

Guest Editors: **Ruben A. Tikidji-Hamburyan, Erik Kropat, Gerhard-Wilhelm Weber**

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

Website

After the positive and encouraging response by the scientific and wider community to the previous two special volumes, Operations Research for Neuroscience and Operations Research for Neuroscience II, the journal Annals of Operations Research now invites submissions of papers to a third special volume on the same subject, called Operations Research for Neuroscience III.

Neuroscience is a multidisciplinary science that is concerned with the study of the structure and functions of the nervous system. It comprises aspects of physiology, cellular and molecular biology, as well as behavioral and cognitive science. Recent technological and theoretical advances offer promising opportunities for better understanding of the nervous system at the quantitative level. New optogenetic, in vitro and in vivo multielectrode recording, neuroimaging, brain imaging, and other modern techniques provide high-quality data that can be used in elucidating the fundamental mechanisms of information processing in the nervous system.

The rapidly growing pool of experimental data has triggered the development of new mathematical models that can provide new insights into the functioning of the nervous system at various scales, ranging from that of molecular biology to that of the organizational principles of behavior and cognition. Sophisticated analyses of intracellular signaling or dynamics in heterogeneous neural networks, conditional behavior or connections of brain regions in decision-making lead to theoretical problems, addressed by Operations Research.

Although, Operations Research is actively used in a bottom-up approach: from experimental observation to consistent theory; it also widely overlaps with modern and rapidly developing formal theories, e.g., the Free-Energy principle, the Integrated Information theory and many others.

This special volume will cover a broad range of topics in the field of neuroscience that use Operations Research approaches, methods and theories.

Instructions for Authors can be found at: <https://www.springer.com/journal/10479/submission-guidelines>
Authors should submit a cover letter and a manuscript by December 1, 2020, via the Journal's online submission site. Manuscripts submitted after the deadline may not be considered for the special issue and may be transferred, if accepted, to a regular issue.

Please see the Author instructions on the website if you have not yet submitted a paper through Springer's web-based system, Editorial Manager. When prompted, please select the special issue's title, Operations Research for Neuroscience III, to ensure that it will be reviewed for this Special Issue.



Mathematical Programming Series B

Special Issue: Call for Papers on Mathematical Optimization and Fair Social Decisions

Guest Editors: **Mourad Baiou, José Correa, Rida Laraki**

Deadline for submission: **December 15, 2020**

Website

This special issue is dedicated to the International Conference on Mathematical Optimization for Fair Social Decisions: A tribute to Michel Balinski, <https://tombalinski.sciencesconf.org>

We solicit high-quality, multi-disciplinary contributions that address mathematical (continuous and discrete) optimization (algorithms and modeling) in the context of game theory, voting, matching, fair division, cost-sharing, social choice, mechanism design, price of anarchy, and other areas relevant to social decisions. Papers that are only social science are not suitable for this special issue as well as papers that only consider optimization.

All submissions should be at most 25 pages in length, and will be peer-reviewed to the standard of Mathematical Programming. Authors should submit their papers electronically at <https://www.editorialmanager.com/mapr/default.aspx> selecting Article Type "MPB - Special Issues Only", entering the relevant information, and selecting Section/Category "Series B - S.I. Mathematical Optimization and Fair Social Decisions".

International Journal of Production Research



Special Issue: Call for Papers on Viability of Supply Networks and Ecosystems: Lessons Learned From COVID-19 Outbreak

Guest Editors: **Dmitry Ivanov, Alexandre Dolgui, Jen Blackhurst, Tsan-Ming**

Deadline for submission: **December 25, 2020**

Website

Supply chains (SC) and production systems worldwide have experienced an unprecedented series of shocks caused by the COVID-19 virus outbreak - a new instigator of SC disruption, quite unlike any seen in recent times. The resulting global pandemics and SC collapses yield a series of completely novel decision-making settings for SC researchers and practitioners. This Special Issue is motivated by these new and challenging settings and aims at elaborating on a new notion – SC viability as an intersection of resilience, adaptability and sustainability.

This Special Issue aims to extend the angles of SC resilience and risk management towards SC viability and survivability under conditions of long-term and unpredictably scaling global disruptions using the COVID-19 case. Viability is a system ability to meet the demands of surviving in a changing environment. The example of the COVID-19 outbreak clearly shows the necessity of this new perspective and where substantial contributions can be made in the future.

A further lesson learned from COVID-19 outbreak is that it is equally challenging to overcome the analysis of single SC resilience and to examine the issues of survivability of whole industries and services. The SCs in real life do not operate autonomously but are rather spanned and interconnected within and even across the business sectors forming supply ecosystems or intertwined supply networks (ISN) (Ivanov and Dolgui 2020). For example, a traditional understanding of automotive SCs is car production as the final output goal. Differently, the ultimate goal of an automotive SC ecosystem is to provide a mobility service to society. In the electronics industry, a traditional SC understanding yields production of some electronic devices as a desired output performance while the performance of the electronics SC ecosystem is generally related to providing a communication service to society. Obviously, the analysis of disruption impacts at such a level is concerned with the long-term securing of the mobility and communication in society, i.e., ensuring the viability, rather than with performance impact of disruptions in individual SCs in terms of revenue or annual sales, as traditional SC resilience analysis usually does.

Prizes and Awards

Twelfth DIMACS Implementation Challenge: Vehicle Routing Problems. Held in Memory of David S. Johnson

Website

The Twelfth DIMACS Implementation Challenge is focused on solution approaches for Vehicle Routing Problems. The Challenge addresses different, recent and challenging problems, as detailed in the announcement in the attachment.

We invite all interested participants to subscribe to the mailing list.

https://email.rutgers.edu/mailman/listinfo/dimacs_vrp_challenge

To receive all news concerning the Challenge.
The deadline for participating is September 2020 (more details on the website).
The Challenge will conclude with a workshop in Autumn 2020.

Looking forward to your contribution.

The Organizers:

Claudia Archetti
Catherine McGeoch
Jorge Mendoza
Panos Pardalos
Mauricio Resende
Eduardo Uchoa

Upcoming Conferences

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

04th-07th June 2020	IPCO Summer School	ONLINE	27th March 2020
07th-09th June 2020	10th Halls Workshop on Graph Theory, Combinatorics and Algorithms	ONLINE	14th May 2020
08th-10th June 2020	Conference on Integer Programming and Combinatorial Optimization (IPCO'20)	ONLINE	28th November 2019
09th-10th June 2020	IPCOA 2020 - 11th International Workshop on Combinatorial Algorithms	ONLINE	1st February 2020
10th June 2020	9th Annual Soc University Healthcare Operations Workshop	Online	10th February 2020
24th-26th June 2020	2nd EUROcore Workshop	Paris, Portugal	1st April 2020
28th June-4th July 2020	Scandinavian Summer School in Computer Science (SSCS 2020)	Stockholm, Sweden	29th March 2020
28th June-10th July 2020	The Machine Learning Science School	ONLINE	12th February 2020
29th June-3rd July 2020	Regularization Methods for Machine Learning (RegML)	ONLINE	10th March 2020
3rd July 2020	4th European Conference on Parallel Economics and 9th Western Conference on Parallel and Finance	ONLINE	12th February 2020
04th-10th July 2020	International Conference "Mathematical Optimization, Theory and Operations Research" (MOTR) 2020	ONLINE	1st March 2020
06th-10th July 2020	2020 Genetic and Evolutionary Computation Conference (GECCO 2020)	ONLINE	30th January 2020
19th-23rd July 2020	The 8th International Conference on Machine Learning, Optimization & Data Science	Siena, Italy	4th June 2020
24th-31st July 2020	Optics 2020 - 6th International Conference on Opt applied to Health Service	ONLINE	29th February 2020
04th-07th August 2020	ICAD 2020	ONLINE	15th June 2020
20th August 2020	11th Multidisciplinary Workshop on Advances in Preference Handling (M-PROF 2020)	Wend Iana, Indonesia	15th June 2020
29th-30th August 2020	14th CAD Workshop 2020: Data Technologies & Analytics for Sustainable Development	Santiago de Compostela, Spain	19th July 2020
29th August-2nd September 2020	ICSA Conference 2020	Magdeburg, South Africa	1st June 2020
30th August-2nd September 2020	IM-20MS Telecommunication & Network Analysis Conference 2020	Berlin, Germany	23rd June 2020
31st August-4th September 2020	20th edition of the IIP TIC Conference: System Modeling and Optimization	Delft, Ecuador	27th March 2020
3rd-5th September 2020	8th Workshop on Optimization Under Uncertainty in Sustainable Agriculture/Forestry Industry and IT, BigData Agro Conference	ONLINE	15th May 2020
5th-9th September 2020	5th 2020 @ EPFL 2020 - Workshop on Stockholm Local Search	Leiden, The Netherlands	14th July 2020
06th-08th September 2020	11th International Workshop on Computational Optimization (IMCO'20)	ONLINE	3rd July 2020
07th-08th September 2020	AI/ML/2020 - 24th Symposium on Artificial Intelligence for Transportation Modeling, Optimization, and Systems	ONLINE	24th June 2020
07th-10th September 2020	Hydrom 2020: The 4th International Conference on Heavy Infrastructure, Research, Development and Maintenance	Málaga, Spain	27th February 2020
07th-11th September 2020	Twenty-Sixth Conference on Frontiers and Practice of Constraint Programming (FPC 2020)	Louvain-la-Neuve, Belgium	14th May 2020
09th-11 September 2020	Logistics Research Network Conference	Cardiff, Wales	28th June 2020
14th-16th September 2020	COMO 2020 - 10th European Twenty-Sixth Symposium on Graphs and Combinatorial Optimization	Rome, Italy	15th March 2020
14th-18th September 2020	12th International Conference on Discrete Optimization and Related Topics (IWO 2020)	ONLINE	1st June 2020
14th-20th September 2020	COMWork 2020	Berlin, Germany	1st June 2020
16th-18th September 2020	21st EUROS Working Group on Transportation (EWGT) 2020	Paphos, Cyprus	6th March 2020
20th-23rd September 2020	9th Symposium on Operations Research (SOR 2020)	Kragujevac, Serbia	11st May 2020
20th-23rd September 2020	2nd International RIA Conference on Intelligent Transportation Systems (RIA-ITS, 2020)	Rhodes, Greece	6th March 2020
21st-22nd September 2020	4th International Conference on Quality Engineering and Management (IQEM)	Braga, Portugal	30th June 2020
21st-26th September 2020	18th International Conference on Operational Research (OR 2020)	Spain, Croatia	15th June 2020
27th-30th September 2020	International Conference on Computational Logistics (ICCL 2020)	Enschede, Netherlands	25th May 2020
28th-29th September 2020	3rd conference of the EURO Working Group on the Frontiers of Operations Research	ONLINE	13th December 2019
28th-30th September 2020	Tourism, Science and Management (TSM) 2020	Maastricht, The Netherlands	30th June 2020
08th-09th October 2020	ICO 2020 - 3rd International Conference on Intelligent Computing & Optimization 2020	Hua Hin, Thailand	24th July 2020
11th-16th October 2020	Daedalus 2020 as Data-Driven Combinatorial Optimization	Walden, Germany	1st July 2020
14th-15th October 2020	FAIS EURO-Data Ware conference	Helsinki, Finland	1st July 2020
15th-16th October 2020	18th International Logistics and Supply Chain Congress & MICM2020	Gaziantep, Turkey	21st June 2020
20th-22nd October 2020	2nd African Industrial Engineering and Operations Management Conference	Harare, Zimbabwe	30th June 2020
23rd-25th October 2020	ICVND - 8th International Conference on Variable Neighborhood Search	Abu Dhabi, UAE	15th June 2020
24th-26th October 2020	OMIS 2020 14th International Conference on Operations as Service (OMIS)	Barcelona, Spain	1st July 2020
24th-26th October 2020	AI+IS 2020 International Conference on Artificial Intelligence and Business Inspired Computing	Marrakech, Morocco	14th April 2020
04th-06th November 2020	GAFA 2020 (From Multiple Criteria Decision Aid to Preference Learning)	Trento, Italy	23rd August 2020
09th-11th November 2020	BeneluxRail Optimization Meets Machine Learning	Leiden, The Netherlands	1st September 2020
10th-14th November 2020	10th Annual Conference 2020	Tromsø, Norway	23rd October 2020
20th-21st November 2020	10th Lovain-la-Neuve de Combinatorics Workshop 2020	Paderborn, Germany	1st September 2020
13th-16th December 2020	Winter Simulation Conference 2020	Orlando, Florida	14th April 2020
14th-17th December 2020	2020 IEEE Industrial Engineering and Engineering Management Conference	Singapore	1st June 2020

Contact Us

Do you have an item to be included in the next newsletter? 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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