



## Newsletter 48 of EUROPT

EUROPT - The Continuous Optimization Working Group of EURO

<https://www.euro-online.org/websites/continuous-optimization/>

*February 2022*

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# Words from the Chair

Dear Friends,

on behalf of the Managing Board welcome to the 48th EUROPT Newsletter. I hope you and your families are all healthy and safe. Almost 1 year has gone by since our last newsletter but unfortunately the pandemic that shook the world 2 years ago is not completely over yet, though hopefully fading away.

After the 2020 hiatus, we reshaped our activities to happen fully online in 2021. Beyond the annual workshop, we organised a summer school for the very first time. Both activities were very successful with a large number of participants. A special issue of “Optimization Methods and Software” dedicated to the workshop is in preparation. My heartfelt thanks go to Sonia Caferi and her team for the flawless organisation of the workshop, to the International Centre for Mathematical Sciences in Edinburgh for supporting the summer school, to our great lecturers Aharon Ben-Tal and Manlio Gaudioso for sharing their expertise with us. The newsletter reports on both events in details and an announcement for the special issue is included too.

As the next summer is predicted to be reasonably safe and I guess the EUROPT community wishes to be back to meeting live, we decided to have our annual workshop together with a summer school as in-presence only events. They will take place in Lisbon, respectively on 29-30 July and 1-2 August, at the NOVA School of Science and Technology and they will be organised by Paula Amaral and her group. I am very thankful to all of them for taking on the duty in these tough times. Though the two events are planned in-person only, we will keep our eyes on the overall situation and make changes accordingly if necessary. An announcement for the workshop is included in the newsletter. Setting up the program for the summer school still requires some additional efforts, hence the detailed news on the school will be spread through our mailing-list as well as updates on the workshop. You can freely join the newsletter by sending a message to [europa@di.unipi.it](mailto:europa@di.unipi.it).

Really looking forward to meeting you in Lisbon!

Giancarlo Bigi, EUROPT Chair  
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# EUROPT Workshops

## Report on EUROPT 2021

### 18<sup>th</sup> EUROPT Workshop on Advances in Continuous Optimization

July 7-9, 2021, Toulouse, France - virtual format

<https://europt2021.recherche.enac.fr/>



The 18th edition of the annual conference of the EUROPT working group of EURO, the EUROPT Workshop on Advances in Continuous Optimization – EUROPT 2021 – has been held virtually from July 7 to 9, 2021, organized from Toulouse, France, and hosted at ENAC - Ecole Nationale de l'Aviation Civile: <https://europt2021.recherche.enac.fr/>

Since 2000, this conference has been held every year in an European city (except for the 2011 and the 2017 editions which took place in Ballarat, Australia, and Montreal, Canada), and is one of the major events in the European mathematical optimization community.

In 2020, the conference was expected to take place at ENAC, Toulouse, but due to the COVID-19 pandemy, the Organizing Committee and the EUROPT Managing Board decided to postpone it to 2021 while maintaining its original location. The evolution of the situation and the difficulties persisting in international travels, have finally led to the choice of a virtual format.

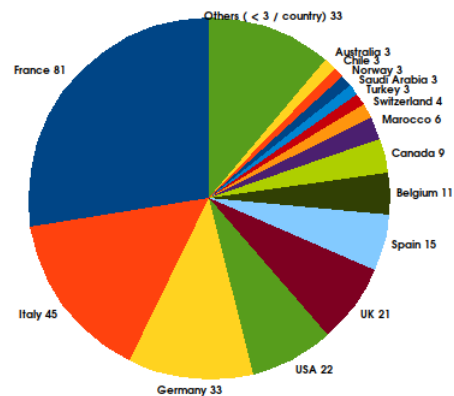
This edition has then been really special in many ways: for the first time, the event has been held in a fully **virtual format**, and for the first time attendance has been **free of charge**, thanks to the support of sponsors. Despite the format change, the Organizing Committee worked to set up an event promising to be a not-to-miss opportunity for stimulating (virtual) discussions on the latest developments in continuous optimization.

## Committees

The Program Committee, chaired by Sonia Cafieri (ENAC, Toulouse), was composed by 31 EUROPT members, including the EUROPT Managing Board, as well as some EUROPT Fellows and EUROPT Past and Honorary Chairs. The Organizing Committee was composed by 4 members from Universities in Toulouse, France (ENAC, Institut de Mathématiques de Toulouse, and LAPLACE-INPT-ENSEEIH) plus a staff member of ENAC for administrative support.

## Geographical Distribution of the participants

Registered participants were 295 from 37 countries, with the geographical distribution depicted in the figure. Among these participants, 68 were graduate students.



## The EUROPT Fellow Lectures

Every year, the EUROPT Working Group honors outstanding researchers in continuous optimization by awarding the EUROPT Fellowship. The Fellowship is presented to the awarded researcher at the EUROPT Workshop, where the Fellow delivers the EUROPT Fellowship Lecture as a plenary talk. As a consequence of postponing the 18th EUROPT Workshop from 2020 to 2021, this special edition had the honor to award both the EUROPT Fellow 2020 and the EUROPT Fellow 2021, who both delivered their lectures.

The recipient of the 2020 EUROPT Fellowship was **Manlio Gaudioso**, Professor at the Università della Calabria, Italy, who delivered the EUROPT Fellowship Lecture on *Nonsmooth Optimization for Classification Problems in Machine Learning*. The recipient of the 2021 EUROPT Fellowship was **Monique Laurent**, Professor at the Centrum Wiskunde & Informatica, and Tilburg University, Netherlands, who delivered the EUROPT Fellowship Lecture on *Copositivity, sums of squares of polynomials and graphs*.

## Scientific Program

The conference started with an opening session on July 7, presided by the conference chair Sonia Cafieri, including welcome addresses by the hosting institution ENAC and by the EUROPT WG chair, and providing information on how the online conference would have been run.

The scientific program consisted in exactly 200 talks covering all aspects of continuous optimization, and organized in invited and contributed streams. Parallel sessions grouped 3 or 4 talks, each on a time slot of 25 minutes. Talks were held live, with Zoom used for broadcasting live video and audio.

Beyond the two EUROPT Fellowship Lectures, two other plenary lectures were delivered by **Martine Labbé**, Professor at the Université Libre de Bruxelles, Belgium, on *Linear bilevel optimization: overview and recent results*; and **Oliver Stein**, Professor at the Karlsruhe Institute of Technology, Germany, on *Granularity - a bridge between continuous and discrete optimization*.

## Social Program and EUROPT 20<sup>th</sup> birthday

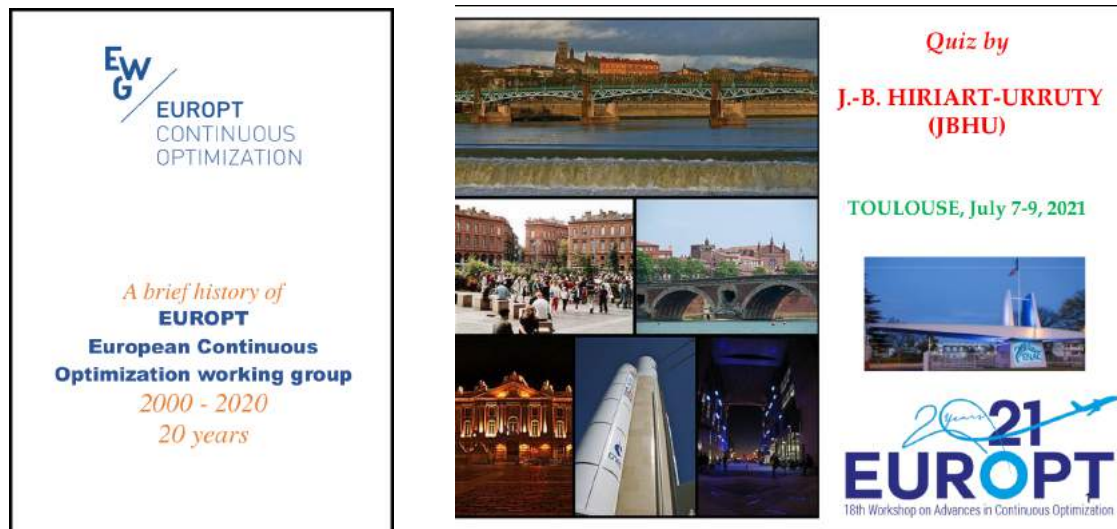
EUROPT 2021 incorporated also a series of social events, held of course in a virtual format.

These events included a celebration of the 20 years of activity of the EUROPT working group. The anniversary was actually in 2020, a year unfortunately marked by the COVID-19 pandemic with none of the EUROPT activities taking place. Hence, we celebrated this

important milestone on the occasion of the 2021 online workshop. *Gerhard Wilhelm Weber* (Honorary Chair of EUROPT) presented an historical perspective on July 7: **EUROPT 20th birthday: a flashback**. As a gift for this anniversary, we prepared a booklet that trace the history of EUROPT, that can be downloaded from the conference website.

On July 8, participants could get together for a virtual social event, on an original idea by *Jean-Baptiste Hiriart-Urruty*: **An online quiz**. The questions (about a dozen) were about sports or festive events; comparative life habits in different European countries; a bit of mathematics (optimization, of course).

A **daily virtual panel game** was also organized. Participants were asked a few short questions by Jean-Baptiste Hiriart-Urruty. This was just to excite curiosity, and to distract the participants from the technical and specialized mathematics they had to follow during the conference.



Social events held on July 7 and July 8

## Journal Special Issue dedicated to EUROPT 2021

We are pleased to announce a Call for Papers for a Special Issue of **Optimization Methods and Software** on *Advances in Continuous Optimization*, dedicated to EUROPT 2021:

[https://think.taylorandfrancis.com/special\\_issues/europt2021-advances-continuous-optimization/](https://think.taylorandfrancis.com/special_issues/europt2021-advances-continuous-optimization/)  
Submissions are open. Paper submission deadline: 15 March, 2022.

EUROPT 2021 provided a strong evidence that, despite the difficulties of the pandemic situation, the EUROPT community is well alive, has the pleasure to contribute to advance Continuous Optimization, as well as the pleasure to get together and share the most recent advances.

The EUROPT 2021 organizers:

Sonia Cafieri (Chair), Nicolas Couellan, Sophie Jan, Frédéric Messine

The EUROPT Chair: Giancarlo Bigi

# 19<sup>th</sup> EUROPT Workshop on Advances in Continuous Optimization

## July 29-30, 2022, Lisbon, Portugal

<https://sites.fct.unl.pt/europt2022>



The 19<sup>th</sup> EUROPT Workshop on Advances in Continuous Optimization (EUROPT 2022) will take place in Lisbon, Portugal, on 29-30 July 2022. As the next summer is predicted to be reasonably safe, the workshop is planned to be in-person only, but eyes will be kept wide open on the overall situation to make changes accordingly if necessary.

### Scope

The scope of the workshop includes (but may not be restricted to) the following topics:

- Linear and nonlinear optimization
- Large-scale optimization
- Multi-objective optimization
- Mixed integer nonlinear optimization
- Optimization under uncertainty and applications
- Derivative-free optimization
- Semi-infinite optimization
- Global optimization
- Stochastic optimization
- Complementarity and variational problems
- Optimal control and applications
- Conic and semidefinite optimization
- Optimization in industry, business and finance
- Complexity and efficiency of optimization algorithms
- Analysis and engineering of optimization algorithms
- Convex and non-smooth optimization
- Data driven optimization

Nature inspired methods and algorithms  
Multilevel optimization  
Computational game theory  
Optimization for learning and data analysis  
Huge-scale optimization  
Artificial intelligence based optimization methods and applications

## Program Committee

Paula Amaral (University Nova de Lisboa, Portugal) - co-chair  
Sonia Cafieri (ENAC- École Nationale de l'Aviation Civile, France) - co-chair  
Giancarlo Bigi (Università di Pisa, Italy) - chair  
Miguel Anjos (University of Edinburgh, UK)  
Immanuel Bomze (Universität Wien, Austria)  
Emilio Carrizosa (Universidad de Seville, Spain)  
Mirjam Dür (Universität Augsburg Germany)  
Gabriele Eichfelder (Technische Universität Ilmenau, Germany)  
Sourour Elloumi (Institut Polytechnique de Paris, France)  
Jacek Gondzio (University of Edinburgh, UK)  
Eligius Hendrix (Universidad de Málaga, Spain)  
Jan Kronqvist (KTH - Kungliga Tekniska Högskolan, Sweden)  
Dmitri Kvasov (Università delle Calabria, Italy)  
Juan Enrique Martínez-Legaz (Universitat Autònoma de Barcelona, Spain)  
Pilar Martínez Ortigosa (Universidad de Almería , Spain)  
Frédéric Messiné (INP-ENSEEIH Toulouse, France)  
Edmondo Minisci (University of Strathclyde, UK)  
Yurii Nesterov (Université Catholique de Louvain, Belgium)  
Laura Palagi (Sapienza Università di Roma, Italy)  
Dimitri Papadimitriou (Universitet Antwerpen, Belgium)  
Francesco Rinaldi (Università degli Studi di Padova, Italy)  
Mathias Staudigl (Maastricht University, Netherlands)  
Christiane Tammer (Martin-Luther-Universität Halle-Wittenberg, Germany)  
Tamás Terlaky (Lehigh University, USA)  
Tatiana Tchemisova (Universidade de Aveiro, Portugal)  
Gerhard Wilhelm Weber (Politechnika Poznanska, Poland)

## Organising Committee

Paula Amaral (University Nova de Lisboa, Portugal) - chair  
Carmo Brás (University Nova de Lisboa, Portugal)  
Isabel Correia (University Nova de Lisboa, Portugal)  
Nelson Martins (University Nova de Lisboa, Portugal)  
Manuel Vieira (University Nova de Lisboa, Portugal)



## **Important Dates**

Abstract Submission: 15 April 2022

Abstract Acceptance: 22 April 2022

Early Registration: 15 May 2022

Late Registration: 15 June 2022

Workshop: 29-30 July 2022

## **Venue**

EUROPT 2022 will be hosted at the NOVA School of Science and Technology of the Universidade Nova de Lisboa.

## **More information**

More detailed information about the Workshop will be disseminated via the website

<https://sites.fct.unl.pt/europt2022>

We are looking forward to welcoming you in Lisbon!

# Reports

## EUROPT Summer School 2021

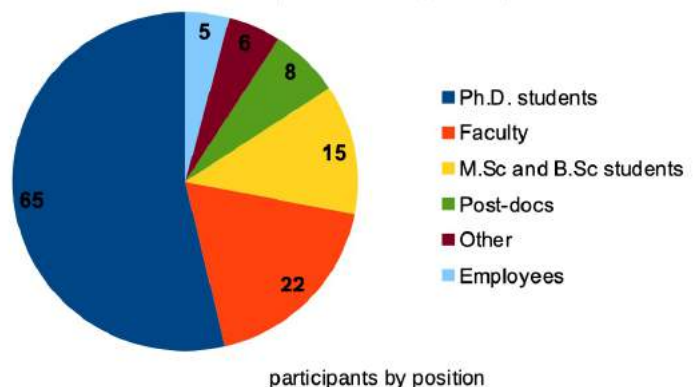
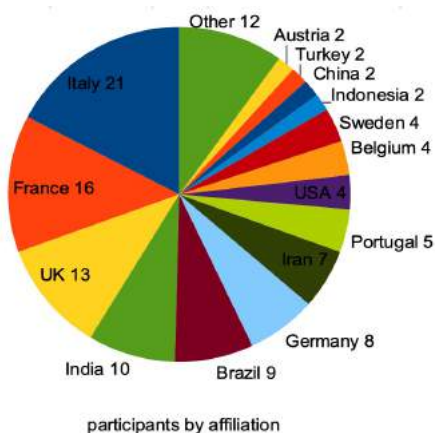
### The need, the challenge and the success of an online school

<https://www.euro-online.org/websites/continuous-optimization/europtschool21/>

Schools provide students and young researchers a great opportunity to meet, get closer in touch while learning from distinguished scholars. Hence, the organisation of a summer school was a felt need and long term goal for EUROPT. As the pandemic shocked the world and reshaped our habits, new challenges came up also for the way scientific meetings are carried on. Rather than deferring its goal to better times, we teamed with ICMS-the International Centre for Mathematical Science in Edinburgh (Scotland, UK) to set up and organise a 3-day summer school with a fully online format.

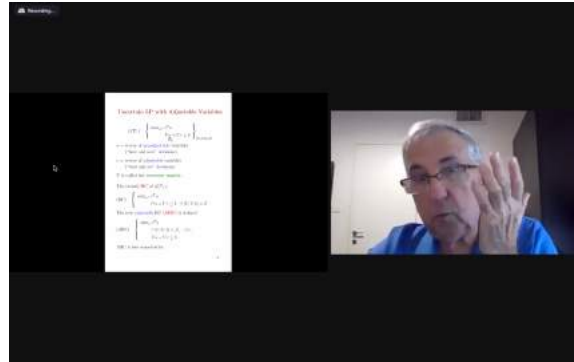
Robust and nonsmooth optimization were chosen as topics by the Managing Board and professors **Aharon Ben-Tal** (from Technion - Israel Institute of Technology) and **Manlio Gaudioso** (from Università della Calabria in Italy) agreed to deliver the lectures. Together we named the school “*The need, the challenge and the success of robust and nonsmooth optimization*”.

The call for participation was successful far beyond expectations and 242 people from all the 5 continents proved interested. The school took place from 30 August to 1 September with a 2 hour lecture per day for each topic. The lectures on robust optimization were delivered by professor Ben-Tal in the mornings, on nonsmooth optimization by professor Gaudioso in the afternoons. They were attended by 121 people from 27 countries, whose distribution by affiliation and position is reported in the tables below.



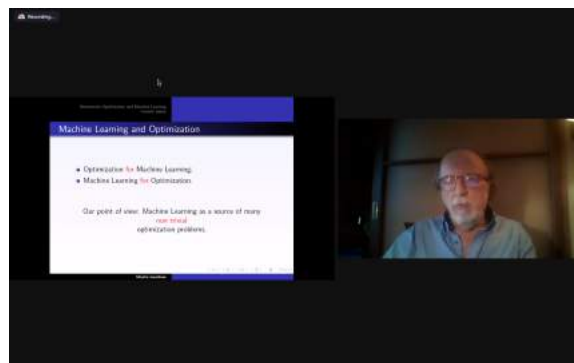
(other affiliations include 1 from Bangladesh, Canada, Chile, Cyprus, Japan, Norway, Philippines, Russia, Slovenia, Spain, Tunisia, Vietnam)

Professor Ben-Tal explained the need of robustness to face uncertainty in optimization problems due to inaccuracy in measurements, lack of timely information on values of parameters and, last but not least, limitation on executing accurately a computed solution in applications. He addressed the basis of robust optimization as a methodology to address these difficulties successfully and showed some applications to inventory management and the recovery of signals from noisy output as well.



Aharon Ben-Tal lecturing

Professor Gaudioso discussed some sources of nonsmoothness in decision making problems so that standard algorithms for smooth optimization can't be successfully exploited to tackle them. Hence, he addressed the basic mathematical tools that are used in numerical nonsmooth optimization together with the main algorithms. Finally, he showed applications to classification in machine learning and to integer programming via the Lagrangian relaxation approach.



Manlio Gaudioso lecturing

Some complementary material and the videos of the lectures are available on the school webpage: <https://www.euro-online.org/websites/continuous-optimization/europtschool21/> (the videos can be streamed online thanks to the Media Hopper Create platform of the University of Edinburgh that hosts them)

The school was made possible by the engagement of the Managing Board to pursue this challenging goal, by the kindness of the two lecturers to devote some of their valuable time to share their expertise with us, last but not least by the technical support of ICMS, in particular the centre manager Jane Walker and the staff members Gillian Kerr and Liam Holligan. My deepest thanks to all of them and to the participants as well.

Overall, the summer school was a successful experience: the online format brings in far more people than an in-presence school probably would and it cuts costs and organisational efforts down, fees may be very low or attendance may be even free of any charge, videos can be produced and stored easily for reaching further people later on. Nonetheless, an online format does not allow for meaningful interaction between participants beyond technical questions to the lecturers. On the contrary, live meetings help giving birth to and cementing long-time friendships and collaborations. Hence, the need of in-presence schools still stands. Maybe alternating between live and online formats could be a good choice in the long term. Indeed, EUROPT is planning an in-presence school to be held after the 2022 workshop in Lisbon, as the next summer is predicted to be reasonably safe. Stay tuned for news!

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## On How a Local and Virtual Meeting Turns out a Global Format

The joint Annual Conference of the German Mathematical Society (DMV) and the Austrian Mathematical Society (ÖMG) 2021 was held with the participation of over 700 scholars from 36 countries from all over the world. The DMV-ÖMG Annual Conference 2021 was successfully held from September 27 to October 1, 2021, and hosted by the University of Passau. The conference took place in a virtual format due to the current COVID-19 circumstances while the participants could find a chance to interact through a number of engaged discussions on Wonder.me Platform. Moreover, the program included over 420 talks.



The prestigious event was organized by outstanding professors from Germany and Austria (<https://www.uni-passau.de/en/dmv-oemg-jahrestagung-2021/committee/>). The Opening Ceremony joyfully started with a musical concert which was motivating and welcoming the participants. Then a virtual tour of the history and campus of the University of Passau was presented by Mario Puhane (University of Passau).

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talked on *Motion and Deformation in Images*. Three of the plenary talks were held by awardees of the ÖMG: Julian Fischer (IST Austria): *Interface evolution problems in fluid mechanics and geometry*, Joscha Prochno (University of Graz): *The asymptotic structure of Schatten classes*, and Karin Schnass (University of Innsbruck): *Conditioning of random submatrices*. These three young researchers have been awarded with the Förderungspreis of the ÖMG in 2020 resp. 2021.

The DMV-ÖMG Annual Conference 2021 had twenty eight Minisymposia ( <https://www.uni-passau.de/en/dmv-oemg-jahrestagung-2021/minisymposia/>) and fourteen Sections ( <https://www.uni-passau.de/en/dmv-oemg-jahrestagung-2021/sections/>). The program was enriched by many different events such as Math Teachers Day, the Students' Conference and the Lunchtime Seminar *Mathematics in Industrial Applications* to gather attention of young scholars as well as teachers and experts in the industry. The organizers were particularly pleased that many of the minisymposia were organized by young researchers, who took the opportunity of the virtual event to invite researchers of international renown from overseas for a talk.

The next DMV annual conference 2022 will be held in Berlin. The next joint DMV-ÖMG conference will be hosted in Linz in 2025.

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## Forthcoming events



### **EvEUCoP 2022** **Evaluating challenges in the implementation of EU Cohesion Policy**

#### **Scope and Objectives**

The European Union (EU) cohesion policy aims at attaining the convergence of economic, social, and territorial cohesion across EU Member States (MS). The funds dedicated to the EU cohesion policy constitute the second-highest group of expenditures in the EU budget. Therefore, the evaluation of their implementation assumes a prominent role in cohesion policy formulation because it helps supporting policy design, also providing sound evidence on the results and impacts of the actions undertaken. During the 2014-2020 programming period, MS became obligated (for the first time) to conduct evaluations to appraise the effectiveness, efficiency, and impact of each programme's objective. These rules apply to the European Regional Development Fund, the European Social Fund and the Cohesion Fund.

Most of these assessments are focused on implementation matters and evaluate progress regarding targets achievement, being mainly concerned with the alignment of the projects and actions with the programmes' objectives as well as with the effectiveness and efficiency of their implementation. These evaluations also focus on whether the existing funding is spent or not and if the targets established, particularly those of the performance framework, are achieved. The impact assessments are performed later in the programme cycle when most actions already took place and have also generated impacts.

This workshop aims at bringing together scientists, policymakers, managing authorities, evaluation experts, academics, and other stakeholders, to share recent research, stimulate discussion and disclose new research directions regarding the use of models and methods to address the challenges arising in the evaluation of the EU cohesion policy.

Contributions to the workshop are expected to cover a wide range of topics including (but not limited to) the monitoring data; the clearness of indicators in measuring the impact of interventions; evaluation methods; case studies and applications on evaluations of the thematic objectives under scrutiny of the cohesion policy, namely:

- Research, Technological Development and Innovation;
- Information and Communication Technologies;
- Competitiveness of Small Medium-Sized Enterprises;
- Shift towards a low-carbon economy;

Cofinanciado por:





- Climate change adaptation, risk prevention and management;
- Preserving and protecting the environment and promoting resource efficiency;
- Sustainable transport and key network infrastructures;
- Employment and labour mobility;
- Social Inclusion, combating poverty and any discrimination;
- Education, training and vocational training for skills and lifelong learning;
- Enhancing Institutional Capacity of public authorities and stakeholders and efficient public administration.

### Workshop Venue

Due to the pandemic, the conference will be hosted virtually at Coimbra Business School| ISCAC.

### Guidelines for Authors

Abstracts (one page, 2500 char. max) must be written in English and should be formatted according to the template available at <http://adept.iscac.pt/eveucop2022>.

Abstract should be submitted in pdf format. Files should have the name XaaaYbbbZccc.pdf, where Xaaa, Ybbb, Zccc are the last names of authors and should be submitted through <https://easychair.org/conferences/?conf=eveucop2022>.

Each participant can present just one paper, although he/she may co-author several papers.

### Special Issue Journals

A Special Issue on Socio-Economic Planning Sciences ([Special Issue on Evaluating Challenges in the Implementation of EU Cohesion Policy - Call for papers - Socio-Economic Planning Sciences - Journal - Elsevier](#)) will be organized devoted to the best contributions presented at EvEUCoP 2022. Authors will be invited to submit their contributions to the Special Issue based on the abstracts and the presentation at the EVEUCoP2022. All submitted abstracts will be considered for this Special Journal Issue. The paper choice will be conducted throughout the peer review procedure as well as at the workshop presentation phase. Submitted papers should not be under consideration by any other journal or publication and will be subject to a review procedure according to the Journal guidelines.

### Important Dates

Abstracts Submission Deadline	May 01, 2022
Notification of Acceptance/Rejection	June 01, 2022
Final Abstract Submission & Registration Deadline	June 15, 2022
Webinar	July 6, 2022

### Registration

Since the conference will be held online, there are no registration fees. Nevertheless, a registration form should be filled in and submitted at <http://adept.iscac.pt/eveucop2022>

### Organizing Committee

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 Carla Oliveira Henriques (chenriques@iscac.pt)  
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Cofinanciado por:





### Scientific Committee

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Ana Cristina Amaro (Polytechnic of Coimbra, Coimbra Business School Research Centre|  
ISCAC and CEG-IST, Instituto Superior Técnico, Universidade de Lisboa, Portugal)  
António Trigo Ribeiro (Polytechnic of Coimbra, Coimbra Business School Research Centre|  
ISCAC and Centro Algoritmi)  
Carla Oliveira Henriques (Polytechnic of Coimbra, Coimbra Business School Research  
Centre| ISCAC and INESC Coimbra)  
Clara Pisco Viseu (Polytechnic of Coimbra, Coimbra Business School Research Centre|  
ISCAC and CMA-UBI)  
Carlos Santos Silva (IN+, Instituto Superior Técnico, Universidade de Lisboa, Portugal)  
Gerhard-Wilhelm Weber (Poznan University of Technology)  
Chiara D'Alpaos (Dipartimento ICEA, Università degli Studi di Padova)  
José Rui Figueira (CEG-IST, Instituto Superior Técnico, Universidade de Lisboa, Portugal)  
Luis Lopez-Agudo (Department of Applied Economics, University of Malaga)  
Luis Dias (Univ Coimbra, CeBER, Faculty of Economics)  
Maria Barbat (Faculty of Business & Law, University of Portsmouth)  
Maria da Conceição Andrade Silva (Portuguese Catholic University)  
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Milagros Baldemor (Don Mariano Marcos Memorial State University, South La Union  
Campus)  
Nina Kajiji (Computer Science and Statistics, University of Rhode Island)  
Oscar Marcenaro (Department of Applied Economics, University of Malaga)  
Patrícia Pereira da Silva (Univ Coimbra, CeBER, Faculty of Economics)  
Pedro Cerqueira (Univ Coimbra, CeBER, Faculty of Economics)  
Salvatore Corrente (Dept. of Economics and Business, Univ. of Catania)  
Salvatore Greco (Department of Economics and Business, University of Catania, and  
Portsmouth Business School)  
Sara María González Betancor (Department of Quantitative Methods, Universidad de Las  
Palmas de Gran Canaria)  
Sérgio Pereira dos Santos (Faculty of Economics, University of Algarve)  
Teresa Cardoso Grilo (Department of Marketing, Operations and General  
Management ISCTE Business School )

### Organization



The workshop takes place as part of a scientific research project that aims to develop an innovative methodology to support the monitoring and evaluation of the implementation of programs around three  
Cofinanciado por:



# OR 2022 - International Conference on Operations Research

## Karlsruhe, Germany, September 6-9, 2022

[www.or2022.de](http://www.or2022.de)

On behalf of the organization committee, it is my great pleasure of inviting you to take part in the OR 2022 conference in Karlsruhe, Germany on 6-9 September, 2022. This is the annual conference of the German OR society.

*The organization committee is dedicated to hold the conference in person. However, if we are forced by the pandemic situation, then we have to switch to an online format. Please visit the conference website for up-to-date information.*

**The abstract submission system is available online now:**

<https://www.or2022.de/91.php>

Abstracts: max. 1800 characters; submission deadline: April 30, 2022.

Researchers who wish to organize a session or an invited session or contribute with a paper within an invited session should contact Stream Chairs of the corresponding area, <https://www.or2022.de/76.php>.

We are proud to present the following distinguished plenary and semi-plenary speakers.

PLENARY Speakers:

John R. Birge (Chicago Booth, United States),  
Victor Pankratius (Bosch Sensortec, Germany),  
EURO-Talk Maria Grazia Speranza (University of Brescia, Italy).

SEMI-PLENARY Speakers:

Gabriele Eichfelder (Technische Universität Ilmenau, Germany),  
Volker Kaibel (Universität Magdeburg, Germany),  
Bahar Yetis Kara (Bilkent University, Turkey),  
Nadia Lahrichi (Polytechnique Montréal, Canada),  
Virginie Lurkin (University of Lausanne, Switzerland),  
Stefan Pickl (Universität der Bundeswehr München, Germany),  
Thomas Stützle (The Belgian F.R.S.-FNRS (National Science Foundation)),  
Tjark Vredeveld (Maastricht University, The Netherlands),  
Talk of the Winner of the 2022 GOR Company Award (to be announced).

Please follow the Conference website [www.or2022.de](http://www.or2022.de) for more detailed information.

**Important dates:**

Abstract submission deadline: Saturday, April 30, 2022

Early registration deadline: Monday, May 30, 2022

Presenting author registration deadline: Wednesday, June 15, 2022

If you are interested in sponsoring this event, for example, through an exhibitor stand, then please contact [steffen.rebennack@kit.edu](mailto:steffen.rebennack@kit.edu).

We look forward to welcoming you in Karlsruhe!

Steffen Rebennack (on behalf of the organization committee)  
[steffen.rebennack@kit.edu](mailto:steffen.rebennack@kit.edu)

# Special Issues

## Special Issue dedicated to EUROPT 2021

[https://think.taylorandfrancis.com/special\\_issues/europt2021-advances-continuous-optimization/](https://think.taylorandfrancis.com/special_issues/europt2021-advances-continuous-optimization/)

**Manuscript deadline**  
**15 March 2022**



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## Advances in Continuous Optimization

This special issue is dedicated to the 18th EUROPT Workshop on Advances in Continuous Optimization (shortly, EUROPT 2021), which was organized on 7-9 July 2021 at ENAC in Toulouse, France. It aims at highlighting the growing research interest in continuous optimization in the broad sense, presenting advances in continuous mathematical optimization and related areas from the theoretical as well as from the application point of view.

Topics of interest include (but are not restricted to):

- Nonlinear optimization
- Convex and non-smooth optimization
- Complementarity and variational problems
- Multi-objective optimization
- Global optimization
- Multilevel optimization
- Conic and semidefinite optimization

- Semi-infinite optimization
- Mixed-integer nonlinear optimization
- Optimization under uncertainty
- Stochastic optimization
- Optimization for learning and data analysis
- Derivative-free optimization
- Optimal control and applications
- Optimization in industry, business and finance

Submitted papers related to EUROPT2021 presentations will be considered as potential full-paper publications in this special issue subject to peer-reviews, and should not have been previously published nor be currently under consideration for publication elsewhere. All submissions will be refereed following the standards of Optimization Methods and Software. The main criteria for acceptance are the quality and originality of the contribution.

At least one author per paper must have attended EUROPT 2021.

Special Issue of Journal of Optimization Theory and Applications on  
**Conic Optimization and Interior Point Methods:  
Theory, Computations, and Applications**

**Guest Editors:**

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We are pleased to announce the Special Issue of the Journal of Optimization Theory and Applications (JOTA) in honor of Professor Cornelis (Kees) Roos' 80<sup>th</sup> and Professor Florian A. Potra's 70<sup>th</sup> Birthday. The Special Issue is also related to the US Naval Academy Optimization & OR Conference that was organized June 2-4, 2021 to mark the occasion of Prof. Roos' and Prof. Potra's birthdays.

The significant and far reaching contributions of Professor Roos and Prof. Potra to the field of optimization in general and to the area of interior-point methods in particular shall be remembered with a Special Issue on **Conic Optimization and Interior Point Methods: Theory, Computations, and Applications**.

We invite contributions within the broad scope of the Special Issue. The contributions that are directly or indirectly related to the work of Prof. Roos and Prof. Potra are especially encouraged.

**Important information:**

- **Submission Deadline:** January 31, 2022
- When submitting the paper for the Special Issue please follow the guidelines "For authors" listed on the JOTA web page <https://www.springer.com/journal/10957/>
- The use of LaTeX JOTA format is strongly encouraged. It can be found at <https://www.springer.com/journal/10957/submission-guidelines>
- When submitting the paper please make sure to indicate that paper is for the Special Issue **Conic Optimization and Interior Point Methods: Theory, Computations, and Applications** which is listed on the JOTA special issues list.
- The submitted papers will undergo rigorous review process that is customary for all papers submitted to JOTA.

# IET Renewable Power Generation Call for Papers

**Submission Deadline:** 1<sup>st</sup> August 2021 | **Publication Date:** February 2023

Editor-in-Chief: David Infield, University of Strathclyde, UK



## Special Issue on:

### Methodological Advances in Renewable-Energy Analysis

Papers presented at IFORS 21 that are related to methodological advances in renewable-energy analysis will be considered for peer-reviewed publication in a Special Issue of *IET Renewable Power Generation (RPG)*.

*RPG* brings together a wide swath of the topics that are related to renewable energy, including technology, power generation and system integration, and techno-economic issues. All renewable-energy-generation technologies are within the scope of the journal, partnering with industry.

Topics of interest include, but are not limited to:

- wind,
- photovoltaics,
- solar thermal,
- geothermal,
- fuel cells,
- wave power,
- marine-current energy,
- biomass conversion

What differentiates *RPG* from technology-specific journals is a concern with how the characteristics of the different renewable sources affect power conversion, power-electronic design, integration into power systems, and techno-economic issues. Other technologies that have a direct role in sustainable-power generation, e.g., fuel cells and energy storage, are covered also. System-control approaches that facilitate the integration of renewable energy into power systems, e.g., demand-side management are covered as well.

This Special Issue provides innovative methodological advances in topics that are related to renewable-energy analysis and that fit within the broad scope of *RPG*. Pioneering unpublished high-quality research manuscripts are invited to this Special Issue.

There is no specific submission template for papers submitted to the journal. All submissions must be made to the journals Manuscript Central submission page: <https://mc.manuscriptcentral.com/theiet-rpg>. Please contact: [theiet\\_rpg.office@wiley.com](mailto:theiet_rpg.office@wiley.com).



Since January 2021, *IET Renewable Power Generation* has transitioned to publishing as a Gold Open Access. As a result, all submissions that are accepted for this Special Issue will be published under the Gold Open Access Model and subject to the Article Processing Charge (APC) of 3200 USD. The IET has partnered with Wiley to work with libraries, funding agencies, and research consortia to provide direct support for authors who wish to publish their work Open Access. Wiley have transitional agreements with many research institutions around the world. These transitional agreements aim to remove some or all the responsibility for article publishing fees from individual authors. Authors at these research institutions may be able to get their APC covered in part or in full (at the discretion of their institution). Please see the link below for [participating institutions](#).

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People wishing to submit an announcement to the EUROPT mailing list should address their message to [europt@di.unipi.it](mailto:europt@di.unipi.it). The message will then be distributed upon approval by the EUROPT Managing Board.

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## Editor's notes

Dear members of EUROPT, dear readers,

This first Newsletter of 2022 is the occasion to recall the strong scientific points of our EUROPT community along the year 2021, despite the impact of the pandemic situation on our activities, as well as to look ahead towards further exciting scientific events on the new year that has started.

Our annual workshop, EUROPT 2021, has been held for the first time in a virtual format on July 7-9, 2021, organized in Toulouse, France. We are pleased to report on this event, which gathered enthusiastic participation from all over the world and featured 200 talks, beyond two outstanding plenary speakers and two lectures by the EUROPT Fellows 2020 and 2021. I feel very honored to having served as chair of this workshop. It has been the strong evidence that our community is pleased, despite the troubles due to the pandemic situation, to get together and advance Continuous Optimization. It has also been the occasion to celebrate the 20 years of activity of our working group: the EUROPT's history is now traced in a booklet, which is freely downloadable. A Summer School has also been successfully held, again virtually, from 30 August to 1 September 2021. We are glad to report on this school, whose success has led to consider planning a school as a regular event together with our annual workshop. More information on the school which is being organized this Summer will be included in next issues of our Newsletter.

We are very happy to announce our next workshop, EUROPT 2022, that will be held in-presence on 29-30 July 2022 in Lisbon, Portugal, hosted at the NOVA School of Science and Technology, and organised by Paula Amaral and her group, to whom go our deep thanks. Please add the Workshop dates to your agenda!

We are pleased to announce the Call for Papers of a special issue of *Optimization Methods and Software* dedicated to EUROPT 2021, open to the participants to the event with submission deadline set to mid-March 2022. The Call for Papers for two other special issues of outstanding Journals are also announced in this Newsletter.

In this Newsletter you can also find a report of another event successfully held virtually, as well as the announcement of two further forthcoming events (EvEUCoP 2022 and OR 2022) of interest for our community.

Thank you to all the contributors to this Newsletter.

The Newsletter Editor

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