

2nd International Conference and EURO-MSBC Conference

Modelling and Simulation of Social-Behavioural Phenomena in Creative Societies (MSBC-2021)

September 22-24, 2021
Vilnius, Lithuania

1. Introduction

The growing challenges of societal sustainability, social complexity, behavioural operations research, and cohesion are becoming more and more acknowledged worldwide. However, there is a conceptual and analytical gap in understanding the driving forces behind them. Thorough multidisciplinary research efforts are in demand for making important contributions, starting from concepts and models, and ending with recommendation and decision support systems capable to contribute to the effective global and Europe-wide cultural and social policy formation agendas.

Application of computational models to study issues in the social sciences has been undergoing rapid development during the last decades. The conference MSBC-2021 aims to create an open panel for the effective dialogue among researchers and practitioners interested in the integration of computer science and social science, for strengthening the visibility, recognition and understanding of problems of simulation and modelling in social sciences, and for providing developmental opportunities for young European scientists as well as students.

Since the challenges such as migration, globalization, and radicalization of society, uneven economic growth and welfare distribution, social cohesion, etc., are closely connected with the different levels of cultural impact, the conference focuses in particular on modelling and simulation of concepts and models of modern culture and their impact on social capital and sustainability.

The conference is organized under the auspice of the European Association of Operational Research Societies (EURO) in the format of the EURO mini conference.

2. Scope

The International EURO Mini Conference MSBC-2021 on “Modelling and Simulation of Social-Behavioural Phenomena in Creative Societies” will be composed of 4 streams:

1. Theories and concepts (chaired by (to be announced later))
2. Methodic (chaired by (to be announced later))
3. Modelling and simulation (chaired by (to be announced later))
4. Real-life applications (chaired by (to be announced later))

Due to its interdisciplinary flavour, this conference brings together researchers from the areas of social sciences (e.g. organizational science, communication, management science, decision sciences, cultural economics, societal complexity, sociology, media research, and others), operations research, computational intelligence, agent-based simulation, applied mathematics, econophysics and their respective fields of applications.

The conference program consists of tutorials as well as invited and contributed papers. We encourage those interested in the conference to submit their contributions on the following topics listed below:

- Biometrical Technologies and Affective Computing;
- Concepts, Models and Measurement of Social Capital;
- Computational Intelligence Applications in Social Sciences;
- Creative Industries and Economies;
- Virtual Reality and Behaviour.

However, theoretical and applied contributions on other topics of modelling and simulation of social-behavioural phenomena in creative societies are also welcome.

3. Invited Speakers and Lecturers

Prof. Dr. Nitin Agarwal, University of Arkansas at Little Rock, USA

Prof. George Kleiner, Central Economic-Mathematical Institute, Russia

Prof. Arturas Kaklauskas, Vilnius Gediminas Technical University, Lithuania

(Greta Thunberg ???)

{others to be announced later}

4. Publications

We encourage researchers, especially young ones, who are starting or developing their research related to computing in social sciences to present their work for discussion and take part in the tutorials on the challenging topics of modelling and simulation of social-behavioural phenomena in creative societies to be held during the conference.

Contributors are requested to submit short papers (6 pages long) in electronic format (MS-Word or PDF) via the EasyChair account: EURO Mini Conference MSBC-2021. The proceedings of the conference will be published by an international publisher, referenced in the Clarivate Analytics (Thompson Reuters) ISI Proceedings DB, and delivered during the conference.

The special issue of papers on the subject of the conference will be published in a top-rated journal “Central European Journal of Operations Research” (Springer).

Presentations of projects, software tools and demos are also welcome.

5. Location, Venue and Time

The conference will be held in Vilnius, Lithuania, on September 22-24, 2021.

The conference will take place in the Amberton Cathedral Square Hotel, L. Stuokos-Guceviciaus st 1, Vilnius, LT-01122, located in the Old Town of Vilnius.

Vilnius, the capital of Lithuania, becomes one of the most beautiful cities in Central and Eastern Europe. It stretches along both banks of the fast-flowing Neris River and is situated among hills and pine forests. Vilnius is a very old city indeed, and its Old Town with beautiful buildings in the late Gothics and Renaissance style merits to be explored.

6. Participants

Participants are welcome not only from academia but also media, industry and institutions concerned with computing in social sciences, complex societal methodologies and creative economies. Representatives of areas of application will have a chance to get in contact with leading experts in the conference fields, learn the state-of-the-art of research and about new academic software tools that will be applicable in the future. Participants from the academic sector will be informed about the challenges of modelling and simulation in social sciences faced by practitioners and about the need to find new solutions and methodologies. There will be not only Contributed Sessions but also Invited Sessions organized by special experts who are excellently prepared to display best the directions and schools of social systems modelling and simulation together with their colleagues. Finally, the relatively low registration fee allows the participation of a considerable number of PhD students.

7. Registration fees and deadlines

Deadlines:

Deadline for invited session proposals: March 20, 2021
Deadline for abstract/paper submission: April 15, 2021
Paper submission for Proceedings: May 05, 2021
Paper acceptance notification: June 15, 2021
Deadline for abstract submission: September 15, 2021
Early registration fee payment: September 8, 2021
Conference: September 22-24, 2019
Paper submission to a top-rated journal: November 15, 2021

Registration fee:

	before September 8, 2021	after September 8, 2021
For regular participants	240 Eur	290 Eur
For students	120 Eur	150 Eur

Conference Fee includes a get-together party, coffee breaks, lunches, participant's package, the volume of abstracts, participation in the sessions and tutorials.

8. Travel

Vilnius, the capital of Lithuania, is directly connected by plane with many cities in Europe. There is a convenient connection to Vilnius by train or bus with Berlin, Kiev, Minsk, Moscow, Prague, Riga, St-Petersburg, Warsaw, Vienna.

9. Accommodation

We reserved a certain number of rooms in several hotels close to the conference place. The list of hotels will be displayed later.

10. Social Programme

The social programme of the Conference includes

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| Get-together Party | - September 22, 2021 |
| Conference Dinner in the Restaurant “Imperium”,
Vilnius University Botanical Garden | - September 23, 2021 |
| Excursion to Vilnius Sights and the
Open-Air Museum of the Centre of Europe | - September 25, 2021 |
| Bus Tour to Trakai Castle | - September 25, 2021 |

11. Organisation

Organising Institutions

The organising institutions are:

- Vilnius Gediminas Technical University, Lithuania
- European Association of Operational Research Societies (EURO)
- EURO Working Group on Modelling and Simulation of Social-Behavioural Phenomena in Creative Societies (currently under creation)
- Lithuanian Operational Research Society (LitORS)
- Ghent University, Belgium

Co-Organising Institutions

The co-organising institutions are:

- Vilnius University, Vilnius, Lithuania
- Klaipeda University, Lithuania
- Siauliai University, Lithuania
- Euro Working Group on Experimental Economics
- Euro Working Group on Civil Engineering and Sustainable Development
- Euro Working Group of OR and Development

International Steering Committee

consists of:

- Prof. Gintautas Dzemyda (Vilnius University, Lithuania)
- Prof. Jakob Krarup (University of Copenhagen, Denmark)

- Prof. Gerhard Wilhelm (Willi) Weber (Poznan University, Poland) – **Chairman**
- Prof. Edmundas Zavadskas (Vilnius Gediminas Technical University, Lithuania)

International Programme Committee

consists of:

- Prof. Dr. Nitin Agarwal, University of Arkansas at Little Rock, USA – **Chairman**
- Prof. Dr. Elena Andreeva, Hanover Medical Centre, Germany
- Prof. Dr. Akaki Arsenashvili, Tbilisi State University, Georgia
- Prof. Dr. Jens Bley, University of Hamburg, Germany
- Prof. Dr. Cathal MacSwiney Brugha, College of Business, Ireland
- Prof. Dr. Diana Cibulskiene, Siauliai University, Lithuania
- Prof. Dr. George Arthopoulos, Cyprus Institute, Cyprus
- Prof. Vitalijus Denisovas, Klaipeda University, Lithuania
- Prof. Dorien DeTombe, EWG on Ethics and OR, Netherlands
- Dr. Vygintas Gontis, Vilnius University, Lithuania
- Prof. Arturas Kaklauskas, Vilnius Gediminas Technical University, Lithuania
- Prof. George Kleiner, Central Economical Mathematical Institute, Russia
- Prof. Dr. Ismo Koponen, University of Helsinki, Finland
- Prof. Surya Kumacheva, University of St Peterburg, Russia
- Prof. Dr. Rimvydas Lauzikas, Vilnius University, Lithuania
- Prof. Ulrike Leopold-Wildburger, Karl-Franzens University, Austria
- Prof. Nelson Maculan, University Federal of Rio de Janeiro, Brasil
- Prof. Oleksandr Makarenko, Kyiv Technical University, Ukraine
- Prof. Dr. Milena Medineckiene, Vilnius Gediminas Technical University, Lithuania
- Prof. Dr. Gediminas Merkys, Vytautas Magnus University, Lithuania
- Prof. Dr. Marianne Ping-Huang, University of Aarhus, Denmark
- Prof. Dr. Darius Plikynas, Vilnius University, Lithuania
- Prof. Leonidas Sakalauskas, Vilnius Gediminas Technical University, Lithuania
- Prof. Dalius Serafinas, Vilnius University, Lithuania
- Prof. Dr. Dmitrij Sesok, Vilnius Gediminas Technical University, Lithuania
- Prof. Dr. Svetlana Shchepetova, University of Finances, Russia
- Prof. Grazia Maria Speranza, University of Brescia, Italy
- Prof. Tatjana Vilutiene, Vilnius Gediminas Technical University, Lithuania
- Prof. Laimutis-Adolfas Telksnys, Vilnius University, Lithuania
- Prof. Alexis Tsoukias, LAMSADE, France
- Prof. Adilson Xavier, University Federal Rio de Janeiro, Brasil

Organising Committee

consists of:

- Vytautas Dulskis, Vilnius University, Lithuania
- Leonidas Sakalauskas, Vilnius Gediminas Technical University, Lithuania – **Chairman**
- Sigita Turskiene, Siauliai University, Lithuania
- Ingrida Vaiciulyte, Vilnius University, Lithuania
- Jurate Vaiciulyte, Vilnius University, Lithuania
- Neringa Urbonaite, Vilnius University, Lithuania

- Ana Uspuriene, Vilnius Gediminas Technical University, Lithuania

12. Contacts

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<http://www.msbc2021.vgtu.lt> (to be started in September 2020)