

## **REPORT**

of the International and EURO Mini-Conference  
“Modeling and Simulation of Social-Behavioral Phenomena in Creative Societies”  
(MSBC-2019)

September 18 - 20, 2019, Vilnius, Lithuania

The International and EURO Mini Conference “Modeling and Simulation of Social-Behavioral Phenomena in Creative Societies” (MSBC-2019) has been held in Vilnius, Lithuania, September 18-20, 2019, <http://www.msbc2019.mii.vu.lt>.

Organised by

- European Association of Operational Research Societies (EURO)
- EURO Working Group on Ethics and OR
- Lithuanian Operational Research Society (LitORS)
- Vilnius University, Vilnius, Lithuania
- Warsaw University of Technology, Poland
- Ghent University, Belgium

in cooperation with

- Lithuanian Culture Research Institute
- Vilnius Gediminas Technical University, Vilnius, Lithuania
- Siauliai University, Lithuania
- Klaipeda University, Lithuania
- Euro Working Group on Experimental Economics;
- Euro Working Group of OR and Development
- St. Kliment Ohridski University, Macedonia
- University of Alcalá, Spain

supported by

- Lithuanian State Foundation of Study and Research

The Conference has been organized by the Organizing Committee, chaired by Professor Leonidas Sakalauskas from the Data Science and Digital Technologies Institute of Vilnius University, Vilnius, Lithuania. The scientific programme of the conference has been created as well as papers to publish in ISI Proceedings and special issue of top-rating journal have been selected by the International Programme Committee, chaired by Professor Dorien Detombe from University of Amsterdam (Netherlands), Professor Janusz Holyst from Warsaw University of Technology (Poland) and Professor Rimvydas Laužikas from Vilnius University (Lithuania).

The MSBC-2019 encouraged and facilitated interdisciplinary communication, emphasising those areas that present the most new results having potential for simulating and modeling social-behavioral phenomena in creative societies as well as practical applications by analyzing the relevant data. Also, the use of recent advances in different fields, have been promoted such as new social capital models, cultural behavior modelling, concepts and models of creative societies, agent-based social simulation, computational social science, artificial society modeling.

The Programme Committee of MSBC-2019 accepted 42 abstracts for publishing in the Volume of Abstracts from those submitted by 89 authors from 19 countries (Belarus, China, Cyprus, Denmark, Finland, France, Germany, India, Japan, Kazakhstan, Latvia, Lithuania, Netherlands, Poland, Russia, Sakartvelo, Ukraine, United States, Uruguay). 61 participants from 15 countries attended

the Conference communicating with 6 invited lectures in three plenary sessions, and 36 contributed presentations in 9 parallel contributed sessions.

The invited lectures have been delivered by well-known scientists who put the special emphasis on those areas that mostly contribute to the appreciation of modeling and simulation of social-behavioral phenomena in creative societies, that became valuable tutorials for many young promising researchers, who took an active part in the conference. \

The following invited lectures have been delivered at MSBC-2019:

**Co-Creating For Cultural Commons: Scenarios For Cross-Sectoral Collaboration**

Marianne Ping Huang, University of Aarhus, Denmark,

**Computational Modelling And Data Analytics For The Study Of Historic Cities**

Georgios Artopoulos, University of Cyprus, Cyprus,

**Modeling Deviant Cyber Behaviors: Bots, Trolls, And Information Operations**

Nitin Agarwal, University of Arkansas, USA,

**Smart Culture In Smart Cities – Impact Perspectives And The Case Study Smartsquare**

Jens Bley, University of Hamburg, Germany,

**Sociocognitive Aspects In Learning And Teaching**

Ismo Kopponen, University of Helsinki, Finland

**Spillovers, Or What Is Culture Good For**

Martynas Petrikas, Vilnius University, Lithuania

Dissemination of knowledge discovered in MSBC-2019 is a very important task. The Programme Committee after thorough reviewing by international reviewers board selected 10 papers from those 26 submitted for the Springer Proceedings series Communications in Computer and Information Science (CCIS), <https://www.springer.com/gp/book/9783030298616>, which have been published before and delivered during the Conference. The Programming Committee selected 9 papers which are submitted to publish in special issue “Societal Complexity and Behavioral Simulation” of the top-rating journal “Central European Journal of Operations Research” (CEJOR).

The conference took place with a great enthusiasm of participants, who decided to organize the next conference on the same subject in 2021 as well as to apply to EURO EC with application to create EWG on this subject.

Sincerely yours,

Prof. Leonidas Sakalauskas

President of the Lithuanian Operational Research Society

Chairman of OC of MSBC-2019

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