

Call for Papers



Special Track on:

Agent-based modeling and simulation in management and economics: Opportunities, challenges, and prospects

Social Simulation Conference 2022

September 12-16, 2022

Milan, Italy

We invite you to submit a paper to the special track on “Agent-based modeling and simulation in management and economics: Opportunities, challenges, and prospects” to be held at the [Social Simulation Conference 2022](#)-

Over the last years, many efforts have been made to explore the potential of agent-based modeling and simulation in management and economics. This has been done by many researchers with a diversity of backgrounds, including the social sciences, physics, informatics, engineering, and psychology. The novel research approach has been employed to address many challenges with outstanding achievements. However, as the challenges the fields of economics and management face change and new opportunities are steadily emerging—e.g., new data and new approaches that are informed by recent technological developments—the fields of agent-based computational economics and agent-based computational management science are still in their development. The special track on “Agent-based modeling and simulation in management and economics: Opportunities, challenges, and prospects” aims to explore how these recent developments impact the future of agent-based approaches in the fields of management and economics.

Topics of interest are (but are not limited to):

- Big data and machine learning in ABM
- Algorithmic management
- Modeling human behavior
- Resilience of complex adaptive systems
- Collective intelligence platforms and applications
- Mixed method approaches
- Transparency and reproducibility
- Robustness analysis
- Innovative applications of agent-based modeling addressing further new issues

The special track aims to facilitate the meeting of people who work in the fields of economics and management and adjacent research areas and who employ simulation-based approaches. We aim at providing a multidisciplinary forum for the presentation and discussion of recent research that applies agent-based techniques in economics and management science and explores the opportunities, challenges, and prospects.

Submission

We welcome the submission of **Extended Abstracts** (3-4 pages; short oral presentation) and **Full Papers** (max. 12 pages, long oral presentation). All submissions should include innovative and previously unpublished work. All submissions must be formatted using the LNCS template, which can be found [here](#).

All accepted short/full papers will be considered for a Springer Book, unless the author(s) choose(s) otherwise. A selection of the best full papers will be published (upon author’s agreement and after journal’s peer review) in the [Journal of Artificial Societies and Social Simulation](#).

Please submit your papers through the [EasyChair system](#).

Important dates

Submission deadline: June 1, 2022

Notification of acceptance: July 15, 2022

Homepages

Conference <https://ssc2022.behavelab.org>
Submissions <https://easychair.org/>
ESSA <http://www.essa.eu.org>

Organizers

Stephan Leitner

University of Klagenfurt, Austria
stephan.leitner@aau.at

Friederike Wall

University of Klagenfurt, Austria
friederike.wall@aau.at

Ilaria Giannoccaro

Politecnico di Bari, Italy
ilaria.giannoccaro@poliba.it