

Call for Papers

Special Track on:

„Heterogeneous and diverse economic agents: Agent-based computational economics“

Social Simulation Conference 2021

September 20-29, 2021

Cracow, Poland

We sincerely invite you to submit a paper to the special track on “**Heterogeneous and diverse economic agents: Agent-based computational economics**” to be held at the **Social Simulation Conference 2021**.

There is a long and stunning history of economic thought, which, during the last decades, for not to say centuries, has led to the development of a large number of economic theories. However, economic theories have been criticized for somewhat restrictive assumptions in that heterogeneity and diversity of economic agents is reduced to some few types or even excluded from analysis: For example, economic models often do not capture aspects of individual capabilities and gender-specific characteristics, they instead rely on the idea of a representative agent (see *Kirman AP (1992) Whom or what does the representative individual represent? Journal of Economic Perspectives 6 (2):117-136*): In this vein, all agents of one type are represented by one ‘representative’ individual whose choices are regarded to coincide with the aggregate of the agents of one type. On the one hand, these simplifications can be seen as virtue as they allow for rigorous closed-form solutions of economic models. On the other hand, they might be regarded as a pitfall, as they limit the theories’ capabilities to explain empirical phenomena.

Recent developments — like the rise of new research paradigms, such as social simulation and agent-based computational economics — have opened up entirely new possibilities for research in the academic field of Economics. These allow, for instance, for further enriching economic models with a higher level of heterogeneity and diversity among agents. To do so might not only be of substantial importance for the further development of economic theory but might also help to bridge the gap between research and practice. Moreover, the recent advancement in research paradigms allows studying economic models from an interdisciplinary perspective and — by doing so — contributes to bridging a disciplinary divide and to further include questions of heterogeneity and diversity into economic research.

Topics of interest are (but not limited to):

- Gender in economic models
- Self-organization in economics
- Individual and collective learning
- Diffusion processes in economic models
- Social dynamics in economic models
- Decision-making in complex environments
- Emergence of macro-dynamics from micro-interactions
- Self-organization

The **aim of this special track** is to facilitate the meeting of people who work in the field of Economics (as well as adjacent areas) and who employ simulation-based approaches. We aim at providing a multidisciplinary forum for the presentation and discussion of recent research findings which challenges economic models by integrating empirically sound assumptions (in particular related to economic agents’ heterogeneity and diversity) and integrating findings from other disciplines. The special track has the ultimate objective to promote the further development of economic theory.

The decision on the conference nature – on-site, hybrid, or online will be made by the beginning of June. Updates will be provided on the [conference homepage](#).

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 have to be formatted using the LNCS template, which can be found [here](#).

All accepted short/full papers will be included in the **post-proceedings** (the Organizing Committee is in contact with Springer) unless the author(s) choose(s) otherwise. Authors of selected papers will be invited to submit revised versions to the [Journal of Artificial Societies and Social Simulation](#).

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

Important dates

Submission deadline: April 30, 2021

Notification of acceptance: May 31, 2021

Homepages

Conference: <https://ssc2021.uek.krakow.pl>

Submission page: <https://easychair.org/>

ESSA: <http://www.essa.eu.org>

Contact

Stephan Leitner and Friederike Wall
University of Klagenfurt
Management Control and Strategic Management
Universitätsstraße 67-67
9020 Klagenfurt, Austria
stephan.leitner@aau.at
friederike.wall@aau.at