

CALL FOR PAPERS

COMPUTATIONAL & MATHEMATICAL ORGANIZATION THEORY

Computational & Mathematical Organization Theory provides an international forum for interdisciplinary research that combines computation, organizations and society. The goal is to advance the state of science in formal reasoning, analysis, and system building drawing on and encouraging advances in areas at the confluence of social networks, artificial intelligence, complexity, machine learning, sociology, business, political science, economics, and operations research. The papers in CMOT will lead to the development of new theories that explain and predict the behavior of complex adaptive systems; new computational models and technologies that are responsible to society, business, policy, and law, new methods for integrating data; computational models; analysis and visualization techniques.

Various types of papers and underlying research are welcome. Papers presenting, validating, or applying models and/or computational techniques; new algorithms; dynamic metrics for networks and complex systems and papers comparing, contrasting, and docking computational models are strongly encouraged. Both applied and theoretical work is strongly encouraged. The Editors encourage theoretical research on fundamental principles of social behavior such as coordination, cooperation, evolution, and destabilization. The Editors encourage applied research representing actual organizational or policy problems that can be addressed using computational tools. Work related to fundamental concepts, corporate, military or intelligence issues are welcome.

The journal publishes a number of special issues on focused topics, including organizations of intelligent agents, counter-terrorism, computational statistics for networks, and organizations in crises. In addition, tutorial papers (e.g. methods for checking the robustness of a simulation) or system details (e.g. algorithm descriptions) are also welcome. The audience is international in scope. It includes researchers; students; academic, corporate and military personnel in the following social and organizational disciplines: operations research and graph theory, mathematics, computer science, and management.

Additional information:

Manuscripts generally should be no more than 40 double-spaced pages (including tables, illustrations, notes, appendices, and references), with 11-point font and 1" margin on all four sides. Please submit your manuscripts at <https://www.editorialmanager.com/cmot/>

Computational and Mathematical Organization Theory

Co-Editors-in-Chief: Carley, K.M.; Frantz, T.L.

ISSN: 1381-298X (print version)

ISSN: 1572-9346 (electronic version)

Journal no. 10588