



11th International Conference on Control,
Decision and Information Technologies

July 15- 18, 2025

Split, Croatia

CALL FOR PAPERS - SPECIAL SESSION

“Networked Social Systems: Models, Analysis, and Applications”

for **CoDiT 2025**

July 15-18, 2025 ▪ Split, Croatia

Session Co-Chairs:

Dr. Carmela Bernardo, University of Sannio, Italy – (email: cbernardo@unisannio.it)

Dr. Lingfei Wang, KTH Royal Institute of Technology, Sweden – (email: lingfei@kth.se)

Session description:

This special session deals with research problems in the area of multi-agent systems, with a particular focus on social scenarios. In such systems, graph models are used to describe social interactions, with the nodes/agents representing individuals or human subgroups. Various sociological problems can be explored under this framework, and especially, this session highlights studies on information/disease spreading, opinion formation, and decision-making processes that widely occur in human society.

This session aims to advance the development of mathematical models, provide novel analytical tools, and explore practical applications of networked social systems. Multidisciplinary approaches, including control theory, game theory, and data-driven methods, can be employed for theoretical and empirical studies. The ultimate goal is to facilitate our understanding of how complex phenomena (e.g., opinion fragmentation, polarization, and consensus) emerge in human society, how to mitigate the side effects of human behaviors (e.g., rumors and epidemics), and lastly, how to achieve better human well-being.

The topics of interest include, but are not limited to:

- Opinion dynamics models and social games
- Diffusion models, including information diffusion and epidemics models
- Analysis of transient and asymptotic behaviors
- Design of control/intervention algorithms on social networks
- Practical applications of models through real-world data or experiments

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **February 07, 2025:**

<http://controls.papercept.net/conferences/scripts/start.pl>. In PaperCept, click on the **CoDiT 2025 link** “Submit a Contribution to CoDiT 2025” and follow the steps.

IMPORTANT: All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double column format).

DEADLINES

February 07, 2025: deadline for paper submission

April 27, 2025: notification of acceptance/reject

May 17, 2025: deadline for final paper and registration