



The 18th International Symposium on Operations Research in Slovenia - SOR'25

Bled, Slovenia, September 24-26, 2025

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Call for Papers for Special Session

ANALYSING THE ROLE OF PLATFORM ECONOMY AND ORGANISATIONS IN SOCIETAL CHANGE USING OR AND STATISTICAL METHODS

at the 18th International Symposium on Operations Research in Slovenia (SOR '25)
which will be held in Bled, Slovenia, September 22 – 24, 2025.

Organized and chaired by: Assist. Prof. Dr. Milica Maričić and Prof. Dr. Veljko Jeremić

This special session aims to bring together researchers with expertise not only in operations research (OR) and statistics but also in fields related to the functioning of the business models of the platform economy. We invite research that applies OR and statistical methods to analyse the economic, organisational, and societal impacts of digital platforms.

The platform economy has transformed industries, labour markets, and societal structures, redefining how organisations operate and interact with stakeholders, as well as how individuals operate and exchange goods and services among themselves. The same applies to platform organisations that operate digital platforms, facilitating interactions, transactions, or value exchange between different user groups. This special session explores the role of platform-based business models in driving societal change and the challenges they pose for policy, governance, and sustainability. Is there societal change driven by the emergence and usage of platform economy, and how can it be quantified?

Therefore, this special session attempts to provide answers and ideas that can help unravel the role of platform economy and organisations in societal change. Based on the data and the results of the application of OR and statistical approaches, new perspectives to understanding societal change due to the enlarging use of platforms in the B2B, B2C, and C2C segments could be generated. It is believed that the approaches and results presented at this special session might initiate further quantitative research in platform economy using advanced data-mining tools.



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We especially welcome contributions that include empirical cases and analyses on official datasets and datasets created in-house. Authors are invited to submit original papers that contribute to the body of knowledge, addressing the topics including, but not limited to:

- Application of OR and statistical methods to assess the impact of platform businesses (e.g., Uber, Airbnb) on related markets and industries (e.g. labour market, hospitality industry, transportation industry)
- Application of OR and statistical methods to understand the role of digital platforms in reshaping consumer behaviour
- Optimisation techniques for platform resource allocation
- Agent-based modelling to simulate economic and social interactions in digital platforms of participants and/or non-participants
- Time series and panel analysis of usage of sharing economy platforms

DEADLINES:

- Submission of contributed papers: June 1, 2025
- Referee's reports: July 1, 2025
- Submission of revised papers and copies of bank transfer: August 25, 2025

Note: When submitting the paper, please, select "Special Session on Analysing the Role of Platform Economy and Organisations in Societal Change using OR and Statistical Methods".