



The 17th International Symposium on Operations Research in Slovenia - SOR'23

Bled, Slovenia, September 20-22, 2023

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Call for Papers for Special Session

UNRAVELLING THE BUSINESS MODELS OF SHARING ECONOMY BY APPLYING METHODS OF OR AND STATISTICS

at the 17th International Symposium on Operations Research in Slovenia (SOR '23)
which will be held in Bled, Slovenia, September 20 – 22, 2023.

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

This special session aims to gather researchers whose expertise lies not only in operational research (OR) and statistics, but also in areas related to the functioning of new sharing economy business models.

Digitalisation and new communication channels have changed the way we share information, with whom we share information and what information we are willing to share. At the same time, new technologies have enabled the creation of business models that can facilitate access to underutilised goods or services or lead to a reduction in net consumption. One of the business models that have emerged is the sharing economy. The term sharing economy covers a wide range of consumption practises such as sharing, renting, borrowing, lending, swapping, trading, giving away and buying second-hand.

Although the idea of collaborative consumption was first coined in the 2010s, questions still arise about how sharing economy business models work. Some of them are: Who are the users and why do they use shared goods? Who are the providers and why do they share their goods? What are the motivations for participating in the sharing economy? What are the barriers that prevent individuals from engaging in collaborative behaviour?

Therefore, this special session seeks to provide answers and ideas that can help unravel the business model of the sharing economy. Based on the data and the results of applying OR and statistical approaches, new valuable insights could be gained. It is believed that the approaches and results presented in this special session could trigger further quantitative research in the areas of sharing and collaborative economy using advanced data mining models.



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We particularly welcome contributions that include empirical cases and analyses on official and self-generated datasets. Authors are invited to submit original papers that contribute to the body of knowledge and address, but are not limited to, the following topics:

- Application of OR and statistical methods to the evaluation of current business models in the sharing and circular economy
- Application of OR and statistical methods to better understand the behaviour of providers and users in the sharing and circular economy as well as the behaviour of non-participants
- Simulation models of participants and/or non-participants in the sharing economy
- Time series and panel analysis of the use of sharing economy platforms.

DEADLINES:

- Submission of contributed papers: June 2, 2023
- Referee's reports: July 3, 2023
- Submission of revised papers and copies of bank transfer: August 25, 2023

Note: When submitting the paper, please, select "Special Session on Unravelling the Business Models of Sharing Economy by Applying Methods of OR and Statistics".