



The 16th International Symposium on Operations Research in Slovenia - SOR'21

Bled, Slovenia, September 22-24, 2021

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Call for Papers for Special Session

APPLICATION OF OPERATIONAL RESEARCH IN SMART CITIES

at the 16th International Symposium on Operations Research in Slovenia (SOR '21)
which will be held in Bled, Slovenia, September 22 – 24, 2021.

Chaired by: Assoc. Prof. Dr. Maja Čukušić and Assoc. Prof. Dr. Mario Jadrić

Researchers agree that 5G technology and digital transformation is crucial for the development of smart cities and smart public administration. The concept of smart cities derives from the global trend of urbanization. According to United Nations Population Fund, the latest figures show that population share in the cities doubled in the last few years and is expected to reach over 70% of total population by the end of 2050. Consequently, cities need to cope with the related and the upcoming changes/challenges while cities branded as “smart” need to keep or reach high standard of quality of life of their citizens. With the popularization of the smart city concept and through the implementation of the digital transformation projects in the public administration, information services are radically changed, heavily impacting systems in urban environment. In an effort to identify and explore the challenges, the potential and the priorities for the implementation of smart city applications cities often encounter problems that are complex, assuming considerable uncertainty. To deal with complex systems and problems, it is possible to use various methods of artificial intelligence (including machine learning and neural networks) and various quantitative methods, modelling, simulation, and other analytical techniques under the umbrella of operational research.

We encourage the submission of papers that include various OR areas and develop concepts and/or models that are tested on specific problems in the domain of smart cities' services/solutions (Smart Government, Smart People, Smart Living, Smart Mobility, Smart Economy and Smart Environment).

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DEADLINES:

- Submission of contributed papers: June 3, 2021
- Referee's reports: July 1, 2021
- Submission of revised papers and copies of bank transfer: August 25, 2021

Note: When submitting the paper, please, select "Special Session: Application of OR in smart cities".