



The 15th International Symposium on Operations Research in Slovenia - SOR'19

Bled, Slovenia, September 25-27, 2019

<http://sor19.fov.uni-mb.si/>

Call for Papers for

SPECIAL SESSION ON FORMAL AND BEHAVIORAL ISSUES IN MCDM

at The 15th International Symposium on Operations Research in Slovenia (SOR '19)
which will be held in Bled, Slovenia, September 25 – 27, 2019.

Organized and chaired by: Prof. Dr. Tadeusz Trzaskalik and Prof. Dr. Tomasz Wachowicz

Multiple-criteria decision-making (MCDM) is a sub-discipline of operations research that focuses on analyzing the decision making processes from the viewpoint of multitude and usually conflicting evaluation criteria. In such processes a single or many decision makers try to evaluate a certain set of alternative solutions having their subjective preferences regarding both the importance of the criteria and the performances of the alternatives with respect to these criteria. The most challenging issue in MCDM is to propose the preference elicitation mechanism that will fit the specificity and context of the decision making problem as well as the cognitive capabilities of the decision makers, and hence provide the latter with a reliable decision support. This requires a special focus on the formal aspects and technical design of the algorithms and methods of MCDM and the behavioral issues related to the accurate recognition of thinking and information processing styles of decision makers and their propensity to make some systematic errors that result from using the heuristics and biases.

Session topics cover the whole scope of multiple criteria decision making, e.g.:

- the design of MCDM methods,
- methodological issues of preference analysis for MCDM, e.g.:
 - o application of mathematical programming,
 - o using the meta-heuristics,
 - o handling the imprecise and vague preference information,
- individual and group decision support,
- experimental and simulation studies in using MCDM methods,
- behavioral studies of preference modelling for MCDM,
- analyzing the cognitive capabilities of decision makers,
- applications of MCDM technics for solving real-world problems.



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DEADLINES:

- Submission of contributed papers: June 16, 2019
- Referee's reports: July 15, 2019
- Submission of revised papers and copies of bank transfer: August 25, 2019

Note: When submitting the paper, please, select "Special Session: Formal and behavioral issues in MCDM".