Call for Papers for Special Session

DATA SCIENCE: METHODOLOGIES AND CASE STUDIES

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: Prof. Dr. Mirjana Pejić Bach

The modern economy has been driven by datafication, which utilizes the data collected from various sources into meaningful information generating knowledge. Nowadays decisions on all levels are more and more often based on the data sources, which range from the omnipresent social media to the physical devices that are nowadays usually connected to the internet. This abundance of data generates a wealth of information, but are also often messy and unstructured. Such problems are often one of the main obstacles to the successful utilization of data science. The goal of this special issue is to provide a showcase of successful data science projects including various decision-making levels (national, company, personal), using various types of data (textual, numeric, graphical) and utilizing various data science approaches (classification, associations, outlier analysis, grouping). Prospective authors are invited to submit original papers prepared according to SOR'19 instructions for authors.

The papers should address the topics including, but not limited to:

- Project management in data science;
- Data preparation for data science analysis;
- Classification algorithms such as decision trees, logistic regression and related approaches;
- Association algorithms such as clustering, nearest neighbours, link analysis and association rules;
- Outlier analysis for various purposes, such as fraud detection;
- Neural networks for classification, clustering and projections;
- Practical applications of the above methods in various industries (e.g. banking, marketing) for various purposes (e.g. business, health, engineering).

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

Bled, Slovenia, September 22-24, 2021

https://sor.fov.um.si/

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: Data Science: Methodologies and Case Studies".