Call for Papers for Special Session

ARTIFICIAL INTELLIGENCE IN BUSINESS: OBSTACLES AND PERSPECTIVES

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: Prof. Dr. Mirjana Pejić Bach

Artificial intelligence (AI) is becoming more significant for businesses to generate commercial value and attain a competitive edge. Consequently, businesses have a responsibility to adapt to the current state of affairs and the forthcoming changes and challenges. In contrast, businesses that market themselves as "smart" have a responsibility to maintain or reach a high standard of artificial implementation within the context of cutting-edge methodologies and ethics. For these reasons, businesses are undergoing profound transformations due to the widespread adoption of the concept of artificial intelligence and the implementation of digital transformation projects.

This special session tackles obstacles and perspectives of AI implementation in business.

Several AI layers are optional to be considered. The first is "Analytical AI", with the ability to extract insights from data to produce recommendations ultimately and thus contribute to data-driven decision-making; the second is "Functional AI", which is like analytical AI; however, instead of giving recommendations, it takes actions; and the third is "Interactive AI" which typically enables businesses to automate communication without compromising on interactivity, such as smart personal assistants or cyborgs.

Identifying and exploring the difficulties, opportunities, and priorities for adopting artificial intelligence applications in business often run into issues that are complicated and assume a significant amount of unpredictability. The following challenges emerge in implementing artificial intelligence in business: Data infrastructures, integration and quality; Information representation, access and processing; Knowledge Innovation management; Business intelligence; Decision structures and accountability; Value measurement and Competitive advantage.

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

Bled, Slovenia, September 20-22, 2023

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

We encourage the submission of papers that include various OR areas and develop concepts and/or models tested on specific problems in the domain of artificial intelligence solutions in business, considering opportunities and/or challenges regarding its design, development and implementation.

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 Artificial Intelligence in Business: Obstacles and Perspectives".