New Challenges of Decision Support Systems

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Message from the Guest Editors

Dear Colleagues,

Decision Support Systems (DSSs) are adopted in several research and industry fields to support decision-making processes with high-quality decisions. In the past decades, the widespread adoption of data-driven technologies introduced elements of novelty in the study and development of DSSs, enabling such systems to face the complexity and dynamic nature of information.

Topics relevant for this Special Issue include (but are not limited to):

- Integration of data-driven and ontology-based solutions in DSSs
- AI techniques and Smart Autonomous Agents for decision-making
- Explainable AI (xAI) DSSs
- Robust methodologies for DSSs' development
- AI-powered metaverse, opportunities & challenges
- Challenges of DSSs and data-driven approaches in real time XR environments
- Applications of DSSs in different research areas (healthcare, personalized medicine, Ambient Assisted Living and Ambient Assisted Working, learning environments, finance, manufacturing and industry, circular economy, environmental management, knowledge management).

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Message from the Editor-in-Chief

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