Special Issue

AI-Supported Decision Making and Recommender Systems

Message from the Guest Editors

In the era of digital transformation, Artificial Intelligence (AI) has emerged as a key technology, reshaping industries and transforming how we live and work. As data grow more complex and the demand for real-time, the role of AI in decision making and recommender systems has become indispensable. Through techniques such as computational intelligence, machine learning, deep learning, and natural language processing, AI technologies can automatically identify patterns, handle uncertainty, optimize decision making, and provide personalized, adaptive recommendations tailored to both individual and organizational needs. We welcome original research articles and reviews. Topics of interest include, but are not limited to:

- AI-enabled multi-criteria decision analysis;
- AI-enabled group decision making;
- Decision making with generative AI;
- Machine learning models for decision support systems;
- AI-driven recommendation algorithms, including multimodal, cross-domain, knowledge graph-based and sequential recommendation algorithms;
- Fairness, diversity, and trustworthiness in recommender systems;
- Explainable AI in decision making and recommendation systems;

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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