

Special Issue

AI Methods for Recommender Systems

Message from the Guest Editors

In the era of digitalization and e-commerce, people use online platforms to find their desired products and services. Such platforms often accommodate enormous collections of entities; nevertheless, typically, each user is interested in only a tiny fraction of them. To this end, the role of personalized AI-driven recommender systems is paramount. Recommender systems (RSs) are based on intelligent models that leverage data mining and machine learning methodologies, learning users' preferences and recommending relevant items to each user. Typically, they manage to infer users' preferences by using historical user-item data as well as other types of available information, such as item and user side-information (i.e., features that describe the users/items in the system). RSs are omni-present as they are currently employed by movie and music platforms, online sellers, booking agencies, marketing agencies, and social media platforms. This Special Issue is dedicated to new challenges and innovative approaches related to AI-driven recommender systems. We are pleased to invite submissions of original research on all aspects of recommendation, including the following topics.

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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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