Integrated Artificial Intelligence in Data Science

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Message from the Guest Editors

Artificial Intelligence (AI) is an emerging research topic since it can be used to solve high-complexity problems and find optimized solutions in many applications and domains. Thus, it has the potential to create a better society. Data science, also referred to as pattern analytics and mining, can be used to retrieve useful and meaningful information from databases, which helps to efficiently make decisions and build strategies in different domains. In particular, as a result of the exponential growth of data in recent years, the dual concept of big data and AI has given rise to many research topics. Topics of interest include, but are not restricted to, the following areas:

- Data analytics using AI techniques;
- Evolutionary computation in big datasets;
- Data-driven AI systems;
- Machine learning algorithms;
- Fuzzy modeling and uncertain systems;
- Data reduction techniques;
- Deep-learning algorithms in big datasets;
- Information granularity in high-dimensional data;
- Pattern mining by machine learning and optimization techniques;
- Neural network data analytics and prediction;
- AI-based applications in data science.

Special Issue

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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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