Data Mining and Machine Learning in Multimedia Databases

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Nowadays, thanks to the worldwide availability of cheap information-sensing devices (such as sensors, cameras, RFID readers, and mobile phones) and the growth of storage capacity, data generation has greatly increased, reaching several exabytes per day. Most of such data are of multimedia (MM) types, given the diffusion of inexpensive tools for creating/capturing images, videos, audio, textual documents, and so on.

This Special Issue focuses on data mining (DM) and machine learning (ML) techniques in the context of MM databases. Our aim is to collect the most recent evidence of innovation in extracting knowledge and value from MM data. Potential topics include, but are not limited to, the following:

- Big data techniques for MM databases;
- Real-time analysis of massive MM data streams;
- Pipelines for MM data analysis;
- Bias in ML for MM data;
- MM data-driven decision making;
- Classification of MM data;
- Clustering of MM data;
- Prediction of MM data;
- Recommendation of MM data

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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