



Call for Papers

Multimedia Systems

Editor in Chief: Thomas Plagemann

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Special Issue on

Multimedia Recommendation and Multi-modal Data Analysis

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Aims and Scopes

Rich multimedia contents are dominating the current Web. In popular social media platforms such as FaceBook, Twitter, and Instagram, there are over millions of multimedia contents being created by users on a daily basis. In the meantime, multimedia data consists of data in multiple modalities, such as text, images, videos, audio, time series sequences, and so on. Users are heavily overloaded by the massive multi-modal data, and it becomes critical to explore advanced techniques for heterogeneous big data analytics and multimedia recommendation. Traditional multimedia recommendation and data analysis technologies cannot well address the problem of understanding users' preference on the feature-rich multimedia contents, and have challenges in processing massive and multi-modal data. Moreover, previous works on multimedia recommendation and multi-modal data analysis mainly use shallow features and conventional deep learning methods to process the multimedia contents. Advanced deep learning and machine learning methods, and novel deep-feature extraction mechanism are yet to be explored for more effective personalized recommendation and multimedia data analysis.

This special issue serves as a forum to bring together researchers and practitioners to share their recent advances in this exciting area. We solicit original contributions related to either multimedia recommendation or the combination of recommendation and multi-modal data analysis, including but not limited to the following topics:

- Multimedia Recommendation
 - Collaborative filtering
 - Context- and location- aware recommendation
 - Multi-modal User profiling and personalization
 - Cross-domain modeling and recommendation
 - Explainable recommendation and case studies
 - Trust and privacy in recommendation
 - Knowledge graphs for recommendation
 - Recommendation related issues in education, health, blockchain, economics, legal and other application domains, survey on recommendation related topics

- Multi-modal Data Analysis Related to Recommendation
 - Multi-modal information fusion related to recommendation
 - User modelling from multi-modal data for recommendation
 - Multi-modal data classification and clustering for recommendation
 - Multi-modal data retrieval, indexing and compression for recommendation
 - Representation learning from multi-modal data for recommendation

Important Dates

Submission Deadline:	July 1 st , 2018
First notification:	August 15 th , 2018
Revisions Due:	October 1 st , 2018
Final Decision:	December 1 st , 2018

Submission Guideline

Papers submitted to this special issue for possible publication must be original and must not be under consideration for publication in any other journal or conference. If the submission is an extended version of a previously published workshop or conference paper, this should also be explicitly mentioned in the cover letter, as well as the published paper must be cited in the submitted journal version.

The manuscripts will be peer-reviewed strictly following the reviewing procedures. The submissions should clearly demonstrate the evidence of benefits to society or large communities. Originality and impact on society, method novelty will be the major evaluation criteria. Good survey papers on recommendation related topics are strongly encouraged.

The papers must be written in English and must not exceed 30 pages (single column, double space, 12 pt font, including figures, tables, and references). Authors must follow the formatting and submission instructions of MMSJ at <http://www.springer.com/530> and follow the "Submit Online" link on that page. Please make sure you mention in your cover letter that you are submitting to this special issue.