



Editor-in-Chief:

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Call for Papers

Concurrency and Computation: Practice and Experience

**Special Issue on Multi-modal Information Learning and Analytics on Cross-Media Big Data
MILACBD2018**

We are living in the era of data deluge. Meanwhile, the world of big data exhibits a rich and complex set of cross-media contents, such as text, image, video, audio and graphics. Thus far, great research efforts have been separately dedicated to big data processing and cross-media mining, with well theoretical underpinnings and great practical success. However, studies jointly considering cross-media big data analytics are relatively sparse. This research gap needs our more attention, since it will benefit lots of real-world applications. Despite its significance and value, it is non-trivial to analyze cross-media big data due to their heterogeneity, large-scale volume, increasing size, unstructured, correlations, and noise. Multi-modal Information Learning, which can be treated as the most significant breakthrough in the past 10 years, has greatly affected the methodology of computer vision and achieved terrific progress in both academy and industry. From then on, deep learning has been adopted in all kinds of computer vision applications and many breakthroughs have achieved in sub-areas, like DeepFace on LFW competition for face verification, GoogleNet for ImageNet Competition for object categorization. It can be expected that more and more computer vision applications will benefit from Multi-modal Information Learning.

This special issue focuses on learning methods to achieve high performance Multi-modal Information analysis and understanding under uncontrolled environments in large scale, which is also a very challenging problem. Moreover, it attracts much attention from both the academia and the industry. We hope this topic will aggregate top level works on the new advances in Multi-modal Information from cross-media data. The purpose of this SI is to provide a forum for researchers and practitioners to exchange ideas and progress in related areas. Topics of interests include, but are not limited to:

Cross-Media Big Data Representation

Large-scale multimodal media data acquisition

Novel dataset and benchmark for cross-media big data analytics

Cross-Media Big Data Management

Large-scale multimodal information fusion

Domain adaptation for cross-media big data

Cross-media big data organization, retrieval and indexing

Learning methods to bridge the semantic gap among media types

Cross-Media Big Data Understanding and Applications

Multi-modal Information for feature representation

The submitted papers must be original and must not be under consideration in any other venue. All submitted papers will be reviewed by at least three reviewers and selected based on their originality, significance, relevance, and clarity of presentation. The editors will approve final decisions on accepted papers. Manuscripts must be prepared according to the following journal's Author Guidelines. Prospective authors should submit full manuscripts with MS Word format or PDF format.

Important Dates

Manuscript Due: July 30, 2018

First Round of Reviews: September 30, 2018

Final Decision: October 31, 2018

Guest Editors:

Prof. Mei Lin, TRIMPS, China

Dr. Junchi Yan, IBM Research, USA

Dr. Shao Jie, Fudan University, China