1. Summary and Scope

In recent years, there has been a drastic growth of multi-source and heterogeneous data involved in multimedia analytics. The multi-source data exhibits a rich and complex set of heterogeneous contents (such as text, audio, and video). At present, great research efforts have been dedicated to single-source and homogeneous data, and achieved some progress. However, the heterogeneity of multi-source results faces new challenges in developing effective methodologies to meet the multi-source and heterogeneous computing requirement. This special issue focuses on the most recent progress on multi-source and heterogeneous data capture, integration, modelling, understand and analysis.

This special issue serves as a forum to bring together active researchers all over the world to share their recent advances in this exciting area. We solicit original contributions in three-fold: (1) presenting state-of-the-art theories and novel application scenarios related to multi-source and heterogeneous data analysis; (2) reviewing the recent progress in this area; and (3) publishing novel benchmark datasets for new developments.

The list of possible topics includes, but not limited to:

- Multi-source and heterogeneous data acquisition
- Multi-source and heterogeneous benchmark datasets and performance evaluation
- Multi-source and heterogeneous integration
- Dimension reduction and data normalization for multi-source and heterogeneous data
- Multi-source and heterogeneous data feature extraction, selection and learning
- Multi-source and heterogeneous data compression
- Object detection, classification, recognition, segmentation with multi-source and heterogeneous data
- Tracking, search/retrieval, and identification with multi-source and heterogeneous data
- Visual Analysis and Understanding with multi-source and heterogeneous data
2. Submission Guideline

Authors should prepare their manuscripts according to the online submission requirements of “Multimedia Tools and Applications” (MTAP) at https://www.editorialmanager.com/mtap/default.aspx. Submitted papers should present original, unpublished work, relevant to one of the topics of the Special Issue. All submitted papers will be evaluated on the basis of relevance, significance of contribution, technical quality, scholarship, and quality of presentation, by at least three independent reviewers. It is the policy of the journal that no submission, or substantially overlapping submission, be published or be under review at another journal or conference at any time during the review process.

Important Dates

Submission deadline: Jul 31st, 2019
First reviewing process, notification to authors: Sep 31st, 2019
Second reviewing process, notification to authors: Dec 31st, 2019
Notification of final decision: Mar 31st, 2020

3. Guest Editors

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