



Special Issue Call for Papers

Multimedia Tools and Applications Springer Journal

<http://www.springer.com/journal/11042>

Special Issue on “Intelligent Computational Techniques for Multimodal Data”

Real-world applications produced massive amount of data with multiple modalities such as image, audio, video, and text. A multimodal analysis incorporates all the communicative modes that can be identified in the scope of recorded human interaction allowing researchers to answer both the question of how people use their linguistic resources and how these resources are structured for use. Extraction of meaningful inferences from such a large-scale, multimodal and noisy data is a challenging and interesting research topic.

The growing amount of research conducted in this field, combined with advances in Artificial Intelligence, Computer Vision and Machine learning, has led to the development of advanced intelligent systems that aim to detect and process affective information contained in multimodal sources. In addition to the many issues of recognition, sensing, usability, and interaction, there are potentially quite significant issues associated with multimodal systems in order to provide potential security and privacy.

This special issue intends to bring together for theoreticians and practitioners from academic fields and industries worldwide working in the broad range of topics relevant to machine learning techniques in the field of multimodal data processing and analysis, including cross modal search and retrieval, cross-modal hashing, multimodal recognition and fusion. Application areas can cover but are not limited to Robotics, Human-Computer Interaction, Image processing, Social Media, Video Surveillance and Computer Vision.

Recommended topics include (but are not limited to) the following:

- Multimodal data fusion
- Mathematical modeling for multimodal data
- Multimodal for signal processing
- Multimodal multimedia data
- Multimodal imaging data
- Multimodal social media data

- Multimodal retrieval systems
- Multimodal Big data Analytics
- Novel dataset and benchmark for Multimodal data
- Data mining and knowledge discovery and data visualization
- Deep learning, supervised learning and un-supervised learning

Important Dates:

- Paper submission deadline: February 15, 2018
- First notification: March 30, 2018
- Second Notification: May 30, 2018
- Final decision: July 15, 2018
- Publication(Tentative): August 30, 2018

Submission Procedures:

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.

Note that published papers and those currently under review by other journals or conferences are prohibited. Each paper will be reviewed rigorously, and possibly in two rounds, i.e., minor/major revisions will undergo another round of review. Prospective authors are invited to submit their papers directly via the online submission system at: <https://www.editorialmanager.com/mtap/>. Choosing “**1097T - Intelligent Computational Techniques for Multimodal Data**” as article type. When uploading your paper, please ensure that your manuscript is marked as being for this special issue.

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