

## IEEE MultiMedia: Call for Papers

# Large-Scale Multimedia Retrieval and Mining

Recent years have witnessed an explosive growth of multimedia content driven by the wide availability of massive storage devices, high-resolution video cameras, and fast networks. Stimulated by recent progress in scalable machine learning, feature indexing, and multimodal analysis techniques, researchers are becoming increasingly interested in exploring challenges and new opportunities for developing much larger scale approaches for multimedia retrieval and mining. Many of these computationally-intensive ideas are now becoming practical because of the broader availability of high-speed clusters and the advent of cloud computing.

For the Large-Scale Multimedia Retrieval and Mining special issue, we are soliciting original articles that will be of interest to IEEE MultiMedia readers. The list of possible topics includes, but is not limited to:

- construction, unification, and evolution of corpus;
- framework for sharing of data sets, features, algorithms, and tools;
- indexing and retrieval for large multimedia collections (including images, video, audio, and other multimodal systems);
- near-duplicate detection in large data sets;
- large-scale video event and temporal analysis in diverse sources;
- Web-scale social-network and content-network analysis;
- automatic machine tagging, semantic annotation, and object recognition on massive multimedia collections;
- collaborative image and video annotation for distributed users;
- interfaces for exploring, browsing, and visualizing large multimedia collections;

- scalable and distributed machine-learning and data-mining methods for multimedia data;
- scalable and distributed multimedia content analysis systems; and
- performance evaluation methodologies and standards.

### Guest Editors

- **Benoit Huet**, Eurecom (Benoit.Huet@eurecom.fr)
- **Rahul Sukthankar**, Intel Research and Carnegie Mellon (rahuls@cs.cmu.edu)
- **Rong Yan**, Facebook (rongyan@facebook.com)

### Submission Procedures and Guidelines

Submit your paper at <https://mc.manuscriptcentral.com/cs-ieee>. When uploading your paper, please select the appropriate special issue title under the category "Manuscript Type." If you have any questions regarding the submission system, please contact Kristen Jarboe at mm-ma@computer.org. All submissions will undergo a peer review by at least two expert reviewers to ensure a high standard of quality. Referees will consider originality, significance, technical soundness, clarity of exposition, and relevance to the special issue topics. Papers must stay within the following limits: 6,500 words maximum, 12 total combined figures and tables with each figure counting as 200 words toward the total word count, and 18 references.

### To submit a paper to the January-March 2011 special issue, please observe the following deadlines

- **15 April 2010**: Full submission due (please see the Author Resources page at <http://www.computer.org/multimedia/author.htm> for instructions).
- **1 July 2010**: Authors notified of acceptance, rejection, or needed revisions.
- **1 September 2010**: Revisions due.
- **12 October 2010**: Final versions due.

[www.computer.org/multimedia](http://www.computer.org/multimedia)