

Socio-Mobile Media Analysis and Retrieval

Special Issue for IEEE Trans. on Multimedia

Title: Socio-Mobile Media Analysis and Retrieval

Aims and Scope:

Over the past a few years, individual consumers are transformed into active and connected prosumers, revolutionaries even, who create, share, and comment on massive amounts of media artifacts all over the world wide web 2.0. Online social platforms have become indispensable to make sense of these massive amounts of media content. Meanwhile, mobile devices are becoming ubiquitous and playing vital roles in people's daily life. While on the move, people are using their mobile devices as personal concierges, exploring and managing their social contents.

Today, social and mobile (or in short "socio-mobile") access are the two very characterizing trends of the Web and the Internet. While the "mobile" facet emphasizes the context aspects, location-sensitive personal interests, and interactions of individuals, the "social" facet regards individuals as part of groups, therefore emphasizing similarity and sharing between individuals. An increasingly interesting subject of investigation is how these aspects can take advantage of each other. In particular, how "mobile" can exploit social information, and how "social" can exploit rich context and personalization from mobile. The marriage between "social" and "mobile" will bring huge opportunities yet challenges to multimedia community. This special issue provides a unique opportunity for high-quality multidisciplinary papers connecting both the social and mobile contexts to media sensemaking. The aim is to bring out the state-of-the-art research in this multidisciplinary area and discover directions for future research.

Topics of Interests:

This special issue is devoted to the publications of high quality papers on technical developments and practical applications around socio-mobile media analysis and retrieval. It will serve as a forum for recent advances in the fields of social and mobile media content analysis, indexing, mining, search, and emerging new applications, such as geo-media systems, context-aware advertising, and personalized socio-mobile experience. We invite original and high quality submissions addressing all aspects of this. Relevant topics include, but are not limited to, the following:

- Socio-mobile media content analysis
 - Cross-modal socio-mobile media analysis
 - Visual recognition on mobile devices
 - Contextual models for socio-mobile media analysis
 - Novel features for socio-mobile media analysis
 - Event recognition in social media
 - Efficient learning and mining algorithms for scalable social media analysis
 - Cloud support for large scale socio-mobile media analysis
- Socio-mobile media retrieval
 - Multimedia indexing and mining on mobile devices
 - Social media interaction and visualization on mobile devices
 - Location-based social media applications

- Mobile media computing for social networks
- Socio-mobile media applications
 - Augmented reality for mobile media applications
 - Social media retargeting, editing, and authoring on mobile devices
 - Socio-mobile media recommendation
 - Personalized social media experience in mobile devices
 - New business models and service concepts for socio-mobile media
- Socio-mobile media benchmark construction and open-source software
 - Benchmark database construction for socio-mobile media analysis
 - Open-source software libraries for socio-mobile media analysis

Submission Guidelines:

Submissions should be submitted through the IEEE Trans. on Multimedia journal web server (<http://mc.manuscriptcentral.com/tmm-ieee>). Papers should be formatted according to the guidelines for authors (<http://www.signalprocessingsociety.org/tmm/tmm-author-info/>). During the submission, the authors should indicate that this is a submission for the special issue on “Mobile Media Retrieval” (i.e., select the appropriate special issue title under the category “Manuscript Type”). All submissions will undergo a blind peer review by three 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 above.

Important Dates:

- Paper Submission: Feb. 1, 2013
- First Notification: June 15, 2013
- Revised Manuscript: Aug. 1, 2013
- Notification of Acceptance: Sept. 15, 2013
- Final Manuscript Due: Oct. 15, 2013
- Tentative Publication: First Quarter of 2014

Guest Editors:

- Alberto Del Bimbo, University degli Studi Firenze, Italy
- K. Selcuk Candan, Arizona State University, USA
- Yu-Gang Jiang, Fudan University, China
- Jiebo Luo, University of Rochester, USA
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