

Call for Papers

IEEE Transactions on Multimedia

Special Issue on Communities and Media Computing

With the emergence of large scale social network communities such as flickr, myspace and youtube, we are witnessing media use and production on an unprecedented scale. The purpose of this special issue is to address the technical challenges that emerge through the use of media in large user communities. Communities who use media as part of a network can impact content analysis (e.g. detection of emergent semantics), multimedia systems (e.g. network optimization due to knowledge of relationships among people) and application research (e.g. novel group authoring). Ubiquitous use of multimedia can also impact the way communities form. We believe that a systematic analysis of community-generated media will reveal new insights about how people interact – social dynamics, the evolution of topics and trends, groups and communities. We believe that the research can reveal new synergies between multimedia content, systems and application research areas and computational social analysis. The focus of this special issue shall be novel computational aspects of shared media among multiple people

The IEEE Transactions on Multimedia invites submissions to a special issue on Communities and Media Computing. Topics of interests include, but are not limited to, the following:

- Personalized, community-aware multimedia annotation and analysis
- Modeling personal and collective context, as well as knowledge
- Models for evolutionary community and knowledge dynamics
- User interfaces for community-based media computing
- Emergence of new semantics – frameworks for discovery
- Fundamental issues relating to concept learnability and concept scalability.
- Community centric multimedia services and applications
- Fundamental system challenges due to very large scale media collectives, including encoding and peer-to-peer distribution
- Structure of social networks and its influence on information dissemination
- Understanding real-world social network and communities based on multimedia understanding or communication analysis

Schedule:

Manuscript submission deadline:	May 15 th , 2008
Final acceptance notification:	October 1 st , 2008
Final manuscript due:	December 1 st , 2008
Publication date:	April 2009

Submission procedure:

Authors should prepare manuscripts according to the Information for Authors as published at www.ieee.org/organizations/society/sp/tmm/infotmm.html. Note that mandatory overlength page charges and color charges will apply. Manuscripts should be submitted electronically through the online IEEE manuscript submission system at <http://tmmieee.manuscriptcentral.com/>. When selecting a manuscript type, authors must click on *Special Issue on Communities and Media Computing*. Authors should follow the instructions for the IEEE Transactions on Multimedia and indicate in the Comments to the Editor-in-Chief that the manuscript is submitted for publication in the *Special Issue on Communities and Media Computing*. A completed copyright form is required to be signed and faxed to 1-732-562-8905 at the time of submission. Please indicate the manuscript number on the top of the page.

Updated information of this call can be found at: http://ame2.asu.edu/faculty/hs/tmm_cfp.html

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