

Call for Papers

IEEE Transactions on Multimedia

Special Issue on Visualization and Visual Analytics for Multimedia

<http://www.signalprocessingociety.org/tmm/>

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We call for novel and high-quality papers on the topic of visualization and visual analytics of multimedia data for a special issue of IEEE Transactions on Multimedia (IEEE TMM). This special issue focuses on presenting the state-of-the-art visualization and visual analysis techniques that are developed for solving important problems in the multimedia domain.

Important Dates

- Submission Deadline: 05/08/2016
- First Round Review Notification: 07/08/2016
- Revision Due: 08/08/2015
- Final Acceptance Notification: 09/08/2016
- Final Paper Due: 09/23/2016
- Publication: November 2016

Topics

The topics of interest include, but are not limited to:

1. Visual analytics of multimedia datasets, such as
 - Texts and audio data; Speech and music data; Images and videos; Spatio-temporal data; Sensor data; Social media data; Mooc data; Social and web multimedia data; Healthcare Data
2. Visual and interaction assisted multimedia analysis techniques for
 - Multimedia search and retrieval; Multimedia indexing (e.g., hashing)
 - Object detection, tracking, categorization, and clustering; Surveillance and semantic analysis
 - Outlier detection in multimedia
3. Visualization based multimedia environment, such as
 - Multimedia interfaces and interactions;
 - Visual environments and workspaces;
 - Multimodal signal representation and visualization
4. Human centric multimedia, such as
 - Multimodal human-human and human-computer Dialog
 - Multimodal human-machine interfaces and interaction
 - Multimedia using haptic and physiological information
 - Multimodal perception, integration, and multisensory Fusion
 - Multi-screen user experience; Subjective and objective quality assessment, and user experience