**Call for Papers**  
**Title:** Representation Learning for Multimedia Data Understanding

During the past decade, there is an increasing popularity of video on-demand due to the exponential growth of the user generated videos and the prevailing videos sharing communities such as YouTube, Hulu, etc. Semantically understanding the content of these multimedia data can substantially enhance applications based on the large-scale multimedia data. However, the performance of multimedia understanding system is heavily dependent on the choice of multimedia data representation. Therefore, developing optimal feature representation for multimedia data is the crucial step for the multimedia data understanding.

This special issue serves as a forum for researchers all over the world to discuss their works and recent advances in representation learning methods and its applications in multimedia analysis. Both state-of-the-art works, as well as literature reviews, are welcome for submission. Especially, to provide readers of the special issue with a state-of-the-art background on the topic, we will invite one survey paper, which will undergo peer review. Papers addressing interesting real-world multimedia applications are especially encouraged. Topics of interest include, but are not limited to,

- Multimedia search and retrieval
- Real-world multimedia applications based on representation learning, e.g., event detection, cross-media retrieval, object recognition, object detection, action recognition, object tracking, location-based services.
- Novel machine learning approach for representation learning
- Multi-modal representation learning
- Representation learning via deep learning framework
- Survey papers regarding the topic of representation learning for multimedia data understanding.

**Important Dates:**
- Paper Submission: October 1, 2015
- First Notification: November 15, 2015
- Revised Manuscript: December 30, 2015
- Notification of Acceptance: January 30, 2016
- Final Manuscript Due: February 28, 2016

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