

Special Issue Proposal

Neurocomputing (Elsevier)

Special Issue on

Good Practices in Multimedia Modeling

✚ Summary and Scope:

In nowadays, the volume and variety of data has been dramatically enlarged than before. Multimedia data has become an increasingly powerful tool to facilitate the daily life of human. The traditional representation of multimedia data or modeling methods may not work well or be computationally tractable for real-world multimedia applications, such as multimedia retrieval, multimedia recognition, etc. It is desirable to develop novel, effective multimedia models for various applications, which can be easily performed with large-scale multimedia data from variety of sources and achieve promising performance in good practice related to multimedia modelling.

This special issue will focus on the most recent progress on novel multimedia modeling algorithms for various multimedia modelling tasks with large-scale data and data produced from various sources, such as content-based multimedia retrieval, multimedia content understanding, Multimedia Signal Processing and Communications, Augmented and Virtual Reality, Virtual Environments, Mobile Multimedia Applications, etc. Novel applications or practices of current models are also the focus of this special issue. The primary objective of this special issue fosters focused attention on the latest research progress in this interesting area.

The special issue seeks for original contribution of work, which addresses the challenges from the modeling of multimedia data and its practice. Selected papers from Multimedia Modelling 2016 will be invited to extend their paper for possible inclusion in the special issue. An extended version of paper is expected to include at least 30% of new material. The list of possible topics includes, but not limited to:

- Novel multimedia models for content analysis
- Effective models for multimedia retrieval
- New algorithms for multimedia classification
- Indexing algorithms for large-scale multimedia data
- Visual recognition (e.g., detection, annotation, matching, denoising) with new modeling
- Novel applications or practices of multimedia models
- 3D multimedia data processing
- Fast representation learning algorithms for multimedia data
- Big data, large scale methods
- Mobile Multimedia Applications
- Multimedia Networking and Streaming

Submission Guideline

Authors should prepare their manuscript according to the Guide for Authors available from the online submission page of the Neurocomputing journal at <http://www.journals.elsevier.com/neurocomputing/>. All the papers will be peer-reviewed following the Neurocomputing reviewing procedures.

Important Dates:

- Paper submission due: Feb. 15, 2016
- First notification: May. 15, 2015
- Revision: Jul. 1, 2016
- Final decision: Aug. 1, 2016
- Publication date: Nov. 1 2016 (Tentative)

Guest Editors

- Dr. Yang Yang, University of Electronic Science and Technology of China (dlyyang@gmail.com)
- Dr. Richang Hong, Hefei University of Technology (hongrc.hfut@gmail.com)
- Dr. Heng Tao Shen, The University of Queensland (shenht@itee.uq.edu.au)
- Prof. Benoit Huet, EURECOM, (Benoit.Huet@eurecom.fr)