1. Aims and Scopes

Nowadays, the booming social networks shorten the distance between people, while a huge amount of multimedia data (e.g., videos, audios, images, and texts) is being generated at every moment. In this context, a prevailing trend of user generated content is the emerging cross-media information.

Since different types of multimedia data across different platforms or domains are mixed together to express high-level semantics from different aspects, the topic of cross-media intelligence analysis has attracted intensive attention in recent years. Although there has been a great deal of research devoted to the development of algorithms for cross-media analysis, there remain some important problems unsolved. For example, extracting the uniform feature representation of cross-media data is still a challenge task due to the heterogenous, interconnected, and noisy problems embedded in data. Cross-media distance in feature level cannot be directly measurable due to the heterogeneity-gap between cross-media data. Therefore, this special issue focuses on the most recent progress on cross-media intelligence analysis and applications, such as cross-media common representation, cross-media correlation mining, cross-media summarization, cross-media sentiment semantic analysis.

Effective and efficient cross-media analysis methods can provide more flexible and effective ways to analyze, manage, and utilize the multimedia data. The aim of this special issue is to bring together the most prominent voices from different areas to discuss novel research contributions related to the cross-media intelligence analysis and applications.

2. Topics of Interest

- Common representation learning for cross-media intelligence analysis
- Distance metric learning for cross-media intelligence analysis
- Advanced learning methodologies for cross-media intelligence analysis
- Cross-media correlation mining and analysis
- Cross-media hashing for large-scale retrieval
- Cross-media knowledge transfer learning
- Cross-media knowledge graph construction
- Cross-media intelligent recommendation
- Cross-media summarization
➢ Cross-media question answering
➢ Cross-media sentiment semantic analysis
➢ Cross-media topic detection, evolution, and tracking
➢ Cross-media description and generation
➢ New benchmarks for cross-media intelligence analysis and applications
➢ Advanced tools for cross-media intelligence analysis and applications

3. Submission Guideline

Authors should prepare their manuscripts according to the online submission requirements of “Multimedia Tools and Applications” (MTAP) at https://www.editorialmanager.com/mtap/default.aspx. All the papers will be peer-reviewed following the MTAP reviewing procedures. The submissions should clearly demonstrate the evidence of benefits to society or large communities. Originality and impact on society, in combination with the media nature and innovative technical aspects of the proposed solutions will be the major evaluation criteria.

Please choose the article type containing "1149T" when submitting in Editorial Manager.

4. Tentative Schedule

➢ Submission deadline: July 15, 2019
➢ Manuscript Due: September 15, 2019
➢ First Round of Reviews: November 15, 2019
➢ Final Decision: December 15, 2019

5. Guest Editorial Board

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