



## Call-for-papers

Special Issue on "**Content Based Multimedia Indexing**"

associated to CBMI 2017 - <http://cbmi2017.micc.unifi.it>

Multimedia Tools and Applications, Springer

Guest editors: Rita Cucchiara and Tao Mei

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### Motivation

Multimedia indexing systems aim at providing user-friendly, fast and accurate access to large multimedia repositories. Various tools and techniques from different fields such as data indexing, machine learning, pattern recognition, and human computer interaction have contributed to the success of multimedia systems. In spite of significant progress in the field, content-based multimedia indexing systems still show limits in accuracy, generality and scalability. The goal of this special issue is to bring forward recent advancements in content-based multimedia indexing. In addition to multimedia and social media search and retrieval, we wish to highlight related and equally important issues that build on content-based indexing, such as multimedia content management, user interaction and visualization, media analytics, etc. The special issue will also feature contributions on application domains, e.g., deep learning for multimedia indexing, sparse data learning, cultural heritage and synergetic media production.

Topics of interest include, but are not limited to, the following:

- Audio and visual and multimedia indexing;
- Multimodal and cross-modal indexing;
- Deep learning for multimedia indexing;
- Visual content extraction;
- Audio (speech, music, etc) content extraction;
- Identification and tracking of semantic regions and events;
- Social media analysis;
- Metadata generation, coding and transformation;
- Multimedia information retrieval (image, audio, video, text);
- Mobile media retrieval;
- Event-based media processing and retrieval;
- Affective/emotional interaction or interfaces for multimedia retrieval;
- Multimedia data mining and analytics;
- Multimedia recommendation;
- Large scale multimedia database management;
- Summarization, browsing and organization of multimedia content;
- Personalization and content adaptation;
- User interaction and relevance feedback;
- Multimedia interfaces, presentation and visualization tools;
- Evaluation and benchmarking of multimedia retrieval systems;
- Applications of multimedia retrieval, e.g., medicine, lifelogs, satellite imagery, video surveillance;
- Cultural heritage applications.

### Submission guidelines

All the papers should be full journal length versions and follow the guidelines set out by Multimedia Tools and Applications: <http://www.springer.com/journal/11042>.

Manuscripts should be submitted online at <https://www.editorialmanager.com/mtap/> choosing "CBMI 2017" as article type. When uploading your paper, please ensure that your manuscript is marked as being for this special issue.

Information about the manuscript (title, full list of authors, corresponding author's contact, abstract, and keywords) should be also sent to the guest editors (see information below).

All the papers will be peer-reviewed following the MTAP regular paper reviewing procedures and ensuring the journal high standards.

#### Important dates (tentative)

- Manuscript Due: October 15, 2017;
- First Round Decisions: November 15, 2017;
- Revisions Due: January 15, 2018;
- Final Round Decisions: Feb. 11, 2018;
- Publication: First semester 2018.

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