



## Call-for-papers

### Special Issue on "Content Based Multimedia Indexing" Multimedia Tools and Applications

Guest editors: *Marco Bertini* and *Bogdan Ionescu*

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## Motivation

Multimedia indexing systems aim at providing easy, fast and accurate access to large multimedia repositories. Research in Content-Based Multimedia Indexing covers a wide spectrum of topics in content analysis, content description, content adaptation and content retrieval. 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. Although, there has been a significant progress in the field, we still face situations when the system shows limits in accuracy, generality and scalability. Hence, the goal of this special issue is to bring forward the recent advancements in content-based multimedia indexing.

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

- Visual indexing (image, video, graphics);
- Social media analysis;
- Visual content extraction;
- Identification and tracking of semantic regions;
- Identification of semantic events;
- Audio (audio, speech, music) content extraction;
- Metadata generation, coding and transformation;
- Multi-modal and cross-modal indexing;
- Multimedia information retrieval (image, audio, video, text);
- Content-based search;
- Multimedia data mining;
- Multimedia recommendation;
- Mobile media retrieval;
- Event-based media processing and retrieval;
- Affective/emotional interaction or interfaces for multimedia retrieval;
- Large scale multimedia database management;
- Deep learning for multimedia indexing;
- 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: medicine, lifelogs, satellite imagery, video surveillance, etc.

## **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 2015" 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 corresponding 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**

Manuscript Due: *September 30, 2015*;  
First Round Decisions: *November 30, 2015*;  
Revisions Due: *January 31, 2016*;  
Final Round Decisions: *March 31, 2016*;  
Publication: *Second quarter 2016*.

## **Guest editors**

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