In addition to the Content-Based Multimedia Indexing (CBMI) 2014 workshop, a special issue of Multimedia Tools and Applications is devoted to Content Based Multimedia Indexing. The issue is not restricted to papers accepted to the workshop, but all papers submitted should contain sufficient innovative material with respect to previously published work.

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. Submitted papers should contain significant original new information and ideas. Topics of interest for the Special Issue include, but are not limited to:

Visual Indexing
- Visual indexing (image, video, graphics)
- Visual content extraction
- Identification and tracking of semantic regions
- Identification of semantic events

Audio and Multi-modal Indexing
- Audio indexing (audio, speech, music)
- Audio content extraction
- Multi-modal and cross-modal indexing
- Metadata generation, coding and transformation
- Multimedia information retrieval

Multimedia retrieval (image, audio, video …)
- Matching and similarity search
- Content-based search
- Multimedia data mining
- Multimedia recommendation
- Large scale multimedia database management

Multimedia Browsing and Presentation
- Summarization, browsing and organization of multimedia content
- Personalization and content adaptation
- User interaction and relevance feedback
- Multimedia interfaces, presentation and visualization tools

Submission details
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 2014” as article type, no later than November 15th, 2014. 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 also be sent to the corresponding editor Georges Quenot (Georges.Quenot@imag.fr). All the papers will be peer-reviewed following the MTAP reviewing procedures.

Important Dates (Tentative)
Submission of papers: November 15, 2014
Submission of final manuscript: March 15, 2015
Acceptance Notification: January 15, 2013

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