

MTAP Special Issue on Content-Based Multimedia Indexing

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 for the Special Issue include, but are not limited to:

- Multimedia indexing and retrieval (image, audio, video, text)
- Matching and similarity search
- Construction of high level indices
- Multimedia content extraction
- Identification and tracking of semantic regions in scenes
- Multi-modal and cross-modal indexing
- Content-based search
- Multimedia data mining
- Metadata generation, coding and transformation
- Large scale multimedia database management
- Summarisation, browsing and organization of multimedia content
- Presentation and visualization tools
- User interaction and relevance feedback
- Personalization and content adaptation

Full best papers from 10th International Workshop on Content Based Multimedia Indexing will be invited to be extended as part of this Special Issue.

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/computer/information+systems/journal/11042>). Manuscripts should be submitted online at <https://www.editorialmanager.com/mtap/> choosing “Content-based Multimedia Indexing” as article type, no later than April 15, 2012. 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 Stephane Marchand-Maillet (Stephane.Marchand-Maillet@unige.ch). All the papers will be peer-reviewed following the MTAP reviewing procedures.

Important Dates

Manuscript due:	April 15th, 2012 May 6th, 2012
First round of reviews:	June 18 th , 2012
Publication date (expected):	First quarter 2013

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