



**Special Issue Call for Papers**  
**Multimedia Tools and Applications, Springer Journal**  
<http://www.springer.com/journal/11042>  
**Special Issue on “Intelligent Systems for Digital Archiving, Analysis  
and Documentation of Multimedia Content”**

The objective of this Special Issue is to present research and developing activities contributing in general to different aspects of multimedia communications, content discovery and multimedia data enrichment, content related multimedia data aggregation and recommendation systems, multimedia data analysis and annotation as well as to multimedia data protection and security. In particular, it covers a range of topics relevant to multimedia data conversion to information and knowledge, QoE for multimedia communications, audio-visual data processing, content-based information retrieval, databases and information integration, cloud computing, etc.

The full list of main topics of interest are as follows:

- Content - based Multimedia Information Retrieval
- Intelligent searching of multimedia content
- Modern computing methods for multimedia systems and authentication of multimedia content
- Interactive multimedia applications
- Multimedia efficient, scalable and robust delivery
- Reliability, availability, serviceability of multimedia services
- Semantic description of multimedia data and metadata information systems
- Searching methods, search engines and applications related to multimedia
- Seamless mobility of multimedia services including mobile and wireless access networks
- Multimedia and data fusion in personal, sensor, p2p and ad-hoc networks
- Acquisition of multimedia content and QoE management in content distribution networks
- Audio - visual systems including novel multimedia architectures and SOMA
- Multimedia streaming
- Multimedia communication systems for e-health, educational technology, biometrics and other emerging applications
- Surveillance and compound security, object tracking and threat detection using multimedia data analytics
- Intelligent monitoring of objects and areas, recognition with automatic categorization
- Network measurement, monitoring and performance evaluation of multimedia services
- Socially-Aware multimedia communication
- Safety and security of critical infrastructures
- Tools and infrastructure for extraction, fusion, exchange and analysis of big data including cyber-offenses generated data for forensic investigation
- Watermarking technology and application
- Privacy protection
- Cryptography and data protection, including quantum cryptography
- Evaluation of security features in end - user applications
- Ethical issues and law aspects in video surveillance, Internet monitoring, security research
- Parallel processing of audio & video, video processing through cloud computing, video transcoding, etc.

We are inviting both theoretical and experimental papers as well as work-in-progress research, descended from diverse communities, including universities, corporations, government agencies, and standardization bodies. The papers will be peer reviewed and will be selected on the basis of their quality and relevance to the theme of this special issue.

### **Important Dates:**

- Full paper submission deadline: 31 July 2016
- Review decision: 31 August 2016
- Final version submission: 30 September 2016

### **Submission Procedures:**

- Authors should prepare manuscripts using instructions for authors on the website of the Journal of Multimedia Tools and Applications  
<http://www.springer.com/computer/information+systems+and+applications/journal/11042>
- Papers submitted for this special issue must not be submitted or has not been copyrighted or published and is not being submitted for publication elsewhere.
- Manuscripts should be submitted using online submission system  
<http://www.editorialmanager.com/mtap>
- Submitted papers must also give an appropriate citation to relevant papers previously published in Multimedia Tools and Applications journal.
- Submitted papers to this special issue will be peer reviewed based on quality, original, organization and clarity of writing, and evidence provided for assertions and conclusion.
- The review process will be conducted in two phases. Only papers non-rejected at the end of the first phase will be asked to revise for submission into the second reviewing process.

### **Guest Editors:**

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