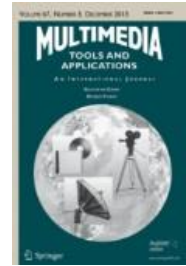


# Multimedia Tools and Applications

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Editor-in-Chief: Borko Furht

(<http://www.springer.com/journal/11042>)



## Call for Papers

### Special Issue on

### Semantic Approaches for Multimedia Retrieval Applications

#### ■ Overview

Information quantity has rapidly increased on the web recently. Data size has also increased dramatically as multimedia data, which include visual information and auditory information, has been used more and more in addition to the existing form of text data. In multimedia data, image and video are representative media that express visual information, which include a variety of low-level information such as color, shape, texture, and pattern. Especially in video data, information such as object movements are included, and objects have the passage of time and spatial features in spatio-temporal relations. In this connection, a lot of research studies, which have been carried out over the time, concentrate on information recognition by computer using low level data. Moreover, there is a lot of interest in the efficient sharing and fruition of multimedia over the Internet, thanks to the availability of advanced live streaming and video on demand online as Netflix or YouTube. At the early age, the challenges were related to scalable and flexible sharing of multimedia

The intelligent approaches for multimedia are one of the most important research areas due to the fast growing interest of intelligent processing method which offer good opportunities for novel studies. Such systems use semantic approach and can be applied to develop e.g. ontologies, context-aware, recommendation, auto-annotation, auto-summarization, security, visual information understanding and so forth.

In this context, it is worth noting research that combines multimedia and defense aspects with achievements in designing advanced systems for the acquisition and sophisticated semantic analysis of complex data patterns, group behaviors, and visual data signals and repositories.

This special issue aims at bringing together leading researchers and practitioners from academia, government, and industry to discuss novel research contributions related to Semantic Approaches for Multimedia Retrieval Applications within the context of Multimedia Platforms.

## ■ Topics of Interest

Preferred topics in this issue include (but are not limited to):

- Advanced Biometric Technologies
- Advanced Cryptosystems for Multimedia Data
- Advanced Vision Algorithms
- Cognitive informatics for Multimedia
- Cognitive vision systems
- Context-aware Services
- Deep Learning Algorithms for Multimedia
- Intelligent Recommendation System
- Intelligent Social Network Data Analysis
- Knowledge Extraction from Multimedia Information
- Pattern classification in Multimedia application
- Recommendation System for Multimedia
- Semantic Multimedia Retrieval
- Semantic Analytics and Mining based on Multimedia
- Semantic Security
- Smart Access Control and Authentication
- Smart Surveillance system
- Spatio-temporal Relation based on Multimedia
- Visual data processing and understanding
- Visualization based on Sematic Approach

## ■ Paper Solicitation

Concerning the preparation of the manuscript, please refer to the "Instructions for Authors" page at the journal website, <http://www.springer.com/journal/11042>. Further, the manuscript must be submitted in online submission system. The submission must include the title, abstract of your paper, and the corresponding author's name and affiliation. All papers will be rigorously reviewed based on the quality: originality, high scientific quality, well organized and clearly written, sufficient support for assertions and conclusion. The manuscript has been submitted only to Multimedia Tools and Applications; it is not under consideration or peer review or accepted for publication or in press or published elsewhere.

## ■ Proposed Guest Editors

- Dr. **Chang Choi** ([enduranceaura@gmail.com](mailto:enduranceaura@gmail.com)), Chosun University, Rep. of Korea
- Dr. **Marek R. Ogiela** ([mogiela@agh.edu.pl](mailto:mogiela@agh.edu.pl)), AGH University of Science and Technology, Poland
- Dr. **Christian Esposito** ([christian.esposito@dia.unisa.it](mailto:christian.esposito@dia.unisa.it)), University of Salerno, Italy

## ■ Important Dates

- Submission Due: 31 July, 2017
- 1st Round Notification: 30 September, 2017
- Revision: 30 November, 2017
- Final version Submission: 31 December, 2017



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