Call for Papers to ICCMIT 2018 Special Session:

"Multimedia Tools or Applications"

Organized by:

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Objectives and Motivation

The world of multimedia is undergoing an explosion in applications and techniques, which is fuelled by: globalization that seeks to remove language barriers inherent in text; emerging technologies: imagery on LCD flat screens of all dimensions and resolutions together with ubiquitous wireless technologies; and AI which facilitates access to petrabytes of multimedia data. In other words, multimedia is critically affected by all the current global modalities and this Special Session aims to attract a selection of papers on the processing tools, on the applications, or on both tools and applications for multimedia which reflect the 'glow' of that explosion.

Continuing challenges need to be addressed in energy conservation; maintenance of the multimedia Quality of Experience; adaptation to 5G technologies and the migration to the cloud; as well as the emergence of multimedia Big Data. *"Multimedia Tools or Applications"* welcomes theoretical and/or empirical papers from all areas of research in respect to both soft technologies such as compression, error control, indexing and searching of multimedia, steganography, and selective encryption; and hard technologies such as mobile multimedia networks, audio/video sensor networks, and energy conserving computing.

Scope

Because of the frenetic research activities centered upon the digital economy, which form and re-form their impacts upon multimedia, there are multifarious challenges/issues, some of which have been outlined above and others of which will not have been anticipated by this Session's organizers. Papers are requested from, but are by no means limited to, the following topics:

- Multimedia security and forensics, e.g. selective encryption, key management, steganography, and watermarking
- Multimedia signal processing, e.g. source coding (compression) and codecs, channel coding (FEC), and digital rights management
- Quality-of-Experience and Quality-of-Service as well as HCI aspects
- Multimedia Big Data, e.g. compression/storage, segmentation, remote indexing and searching.
- Green multimedia e.g. power-aware communication over Internet of Things/Internet of Everything
- Multimedia Telepresence, Virtual Reality, Augmented Reality
- Multimedia intensive eHealthcare and telemedicine e.g. 3D imagery, remote diagnosis
- Applications of multimedia networking, e.g. interactive gaming, video conferencing, workgroup cooperation.
- Mobile multimedia networks, e.g. reducing jitter and latency, error resilience, and concealment, scalability
- Audio- and/or video-sensor networks for environmental monitoring, crisis response, and surveillance
- Cloud networks for multimedia applications, e.g. transcoding and filtering

Important Dates

All instructions and templates for submission can be found in the ICCMIT 2017 web site: http://www.iccmit.net/. Please, contact the special session organizers if you are planning to submit any paper.

Paper submission date:	**until February 15, 2018**
Notification of acceptance:	**February 22, 2018**
Conference Registration:	**February 28, 2018**
Final paper submission and authors' camera ready:	**March 10, 2018**
Conference Dates:	**April 2-4, 2018**