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**2017 IEEE - International Conference on SIGNAL IMAGE TECHNOLOGY &
INTERNET BASED SYSTEMS (SITIS 2017)**

Track Multimedia Information Retrieval and Applications (MIRA)

December 4 – 7, 2017. Jaipur, India
<http://www.sitis-conf.org/>

The SITIS conference is dedicated to research on the technologies used to represent, share and process information in various forms, ranging from signal, image, and multimedia data to traditional structured data and semi structured data found in the web.

The expansion of online multimedia and other social media appearing on mobile, wearable and other devices has become extremely accelerated in recent years. The Multimedia Information Retrieval and Applications (MIRA) track is based on emerging interdisciplinary multimedia research and systems dealing with conventional and big multimedia data. In 2017 the track focuses on the research on new methods, applications and services using multimedia analysis and machine learning as well as their applications and services for the retrieval, classification, semantics and detection of multimedia information including 3D/VR/AR/MR even in big multimedia databases. The track also welcomes new topics that can help to establish semantical and contextual relations among users based on the information of their interest.

The topics of interest of the track include, but are not limited to:

Multimedia Analysis and Processing

Content-based analysis for big multimedia data
Feature extraction for big multimedia data representation
Machine learning for multimedia
Deep learning for event detection and classification
Multimedia signal processing and analysis
Multimedia search and retrieval
Image and video indexing and classification
Semantics and emotion in multimedia systems
Computation Linguistics for multimedia IR
Multimedia data modeling and visualization
Multimedia coding, compression, and processing
Filtering, Time-Sensitive and Real-time Search
Personalized Search
Joint multimodal processing and analysis

Multimedia activity and event understanding
Mobile multimedia analysis and retrieval
Location based multimedia information retrieval
Semantic-based multimedia retrieval and annotation
Mobile Multimedia Systems and Applications
Cloud-assisted multimedia systems
Human computer interaction based on multimedia
Entertainment, gaming and e-learning
3D / AR / VR / MR, Animation
Multimedia system for traffic and public security
Multimedia networking and distributed multimedia systems
Multimedia security, rights management and forensics
Cross-language and Multilingual multimedia IR
Multimedia systems for medical, digital library and SNS
Social media, user-generated, and cloud-based big multimedia
Hardware and software for multimedia systems
Multimedia IoT
Multimedia for smart homes
Multimedia applications using wearable technologies
Multimedia tools (authoring, analyzing, editing, and browsing)
Multimedia quality assessment
Multimedia standards and related issues

Multimedia Applications, Systems and Services

Retrieval and annotation of big multimedia data
Object and/or context based multimedia information retrieval
Multimedia networking and communication
Emotion and semantics in content-based retrieval systems
Multi-modal multimedia computing systems and human-machine interaction

Submission and publication

The conference will include keynote addresses, tutorials, and regular and workshop sessions. SITIS'17 invites submission of high quality and original papers on the topics listed above. All submitted papers will be peer-reviewed by at least three reviewers for technical merit, originality, significance and relevance to track topics. Papers must be up to 8 pages and follow IEEE double columns publication format. Accepted papers will be included in the conference proceedings and submitted for inclusion to IEEE explore and major indexes.

Journal special issue

Extended version of selected accepted papers will be considered for publication in a major journal.

Important dates

- * Paper Submission: August 27, 2017
- * Acceptance/Reject notification: October 3, 2017
- * Camera ready: October 17, 2017
- * Author registration: October 19, 2017

Track Chairs

Andrea KUTICS, International Christian University, Japan