

IX International SITIS Conference, Kyoto, Japan



Kyoto's TERSA Conference Center hosted the 9th **IEEE** (Institute of Electrical and Electronics Engineers) International **SITIS Conference**, which was held on 2-5 December 2013.

SITIS conference is devoted 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.

It therefore spans two inter-related research domains that increasingly play a key role in connecting systems across network centric environments to allow distributed computing and information sharing.

SITIS 2013 aimed at providing a forum for high quality presentations on research activities centered on three main tracks:

Web Computing and Applications (WeCA), which focused on emerging and novel concepts, architectures and methodologies for information management. The Internet and the related technologies have created an interconnected world in which information can be easily exchanged, tasks can be processed collaboratively, communities of users with similarly interests can be formed to achieve efficiency and improve performance;

Signal & Image Technologies (SIT), which focused on recent developments in digital signal processing and payed particular attention to evolutions in audiovisual signal processing, analysis, coding and authentication and retrieval techniques;

Multimedia Information Retrieval and Application (MIRA), which focused on emerging modeling, representation and retrieval techniques that take into account the amount, type and diversity of multimedia information accessible in distributed computing environment. The internet, social networking, multimedia databases and management of multimedia cultural collections have created the need for cross-fields models, paradigms and techniques for efficient modeling, management and consumption of multimedia contents. The track called for research papers and reports directed at several areas including Multimedia Query and Retrieval; Mobile and Location-Based Media, Social media and Social networking, Multimedia Security and Multimedia Arts, Entertainment and Digital Culture.



TERSA Conference Center of Kyoto

SITIS is also dedicated to bring together scientists from the world over, particularly from developing countries, to share and exchange knowledge, experience and research results. When the conference is hosted by research institutions in developing countries, a particular emphasis is placed on the presentation of applied research, the organization of practical tutorials and workshops that may help address the information processing needs of these countries and book give away sessions to allow

conference attendees to donate books to the local institutions.

Emanuele Bellini from **University of Florence**, co-chair of the MIRA ? Cultural Information System workshop (CIS2013), presented ?OnceUponTime-in Florence?, a proof of concept of an innovative cultural heritage smart mobile app designed in collaboration with **Eng. Alessandro Bellini**, the **R&D head at [MATHEMA](#)** (a Florentine performing research SME, expert in smart mobile applications).

?OnceUponTime? is like a glasses through which you can see how a city was, providing a location aware immersive experience to the users/tourists during their sightseeing.

A first insight on the concept potential is given by its envisioned impact. For instance, it allows to mobilize "hidden" collections of paintings or photos about city views that are not exploited so far ? so representing a strong business channel for small cultural heritage institutions up to the single person - or it can be used as a powerful knowledge source for architects and city managers to understand the so called - *genius loci* - of a place; and so forth.

Journal special issues

Selected papers were published in special issue of several journals:

Journal of Multimedia Tools and Applications by Springer (Tracks SIT and MIRA)

Journal of Complex Networks edited by OXFORD University Press (Complex Networks workshop)

Journal of World Wide Web Journal Springer (Track Weca)

For more information:

<http://www.sitis-conf.org/>

Cultural Information Systems Workshop - [PDF](#)

See the event published by Digitalmeetsculture.net to announce the SITIS Conference [here](#)