The 14th International Conference on
SIGNAL IMAGE TECHNOLOGY & INTERNET BASED SYSTEMS
(SITIS-2018)
Las Palmas de Gran Canaria, Spain, November 26–29, 2018
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. SITIS 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 2018 aims to provide a forum for high quality presentations on research activities centered on three main tracks:

Signal Image & Vision Technologies (SIVT)
The focus of the track is on recent developments in digital image and signal processing, and pays particular attention to evolutions in image analysis, audiovisual signal processing, coding and authentication, and retrieval techniques.

Topics of interest:
- Image acquisition, vision
- Image acquisition devices and sensors
- Device calibration, characterization and modeling
- Image and video coding and compression
- Multimodal and multi-sensor models
- Image processing and analysis
- Image filtering, restoration, enhancement Computational geometry
- Signal processing
- Wavelets and multirate signal processing
- Spectral analysis
- Remote sensing
- Document image processing and analysis Image/video coding and authentication

Intelligent Web Computing and Applications (I-WeCA)
The focus of the track is on emerging and novel concepts, architectures and methodologies for information management, including the semantic web, big data, and cloud computing. Finally, social networks have grown rapidly in size and have witnessed a popular expansion to reach billions of users, providing a suitable space for sharing data, interacting with other users and forming communities with common interests.

Topics of interest:
- Data semantics and web-centric systems
- Ontologies and conceptual data modeling
- Knowledge representation and reasoning
- Web information retrieval
- Web tools and languages
- Semantic technologies for mobile platforms
- Big data management and analytics
- Service-based computing
- Data and knowledge as a services
- Web services, mobile services, and service computing
- Software architecture and middleware
- Security, privacy, and trust semantic and intelligent services
- Service discovery, selection, and recommendation
- Service composition and service-based data integration

Large, Heterogeneous Networks and their Applications (LHNA)
Watching streaming videos, uploading pictures and using cloud-based services will make high demands on mobile networks. At the same time more devices will be connected. Heterogeneous Networks, involving a mix of radio technologies and cell types working together seamlessly, will play an important role to service data hungry smartphones, especially in crowded areas. The track aims at promoting original and unpublished research works covering emerging and novel concepts, technologies, applications for categories related to large and heterogeneous networks. This includes issues related to radio (4/5G) and large wireless networks, traffic management, complex graphs, semantic Web, Big Data, and network security.

Topics of interest:
- Methods, algorithms, processes, analytic tools
- Social analytic tools
- Security, privacy, trust and ethics
- Architectures and methods for network management
- Applications of large/heterogeneous networks

Important dates

Submission deadline (extended): **September 22, 2018**
Acceptance/Reject notification: October 21, 2018
Camera-ready: October 28, 2018
Author Registration: October 31, 2018

Submission and publication

Papers must be up to 8 pages and follow IEEE double-column format. Submissions will be peer-reviewed by at least 3 peer reviewers. Papers will be evaluated based on relevance, significance, impact, originality, technical soundness, and quality of presentation. At least one author should attend the conference to present an accepted paper.

All papers accepted for presentation at the main tracks and workshops will be included in the conference proceedings, which will be published by IEEE Computer Society and referenced in IEEE Xplore Digital Library, DBLP and major indexes. Extended version of selected accepted papers will be considered for publication in special issues of major journals.

Paper submission will only be online via SITIS 2018 submission site:
https://easychair.org/conferences/?conf=sitis2018

Conference venue

Hotel Reina Isabel & Spa, Las Palmas de Gran Canaria, Spain

Organizing committee

General Co-Chairs

Gabriella Sanniti di Baja, National Research Council of Italy, Italy, Foreign Member Royal Society of Sciences at Uppsala, Sweden
Modesto Castrillón Santana, University of Las Palmas de Gran Canaria, Spain

Local Organizing Chairs

Javier Lorenzo-Navarro, University of Las Palmas de Gran Canaria, Spain

Workshops General Chair

Luigi Gallo, National Research Council of Italy, Italy

Technical Program Committee

Please check the web site for the full list