

CALL FOR PAPERS

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The 15th International Conference on SIGNAL IMAGE TECHNOLOGY & INTERNET BASED SYSTEMS (SITIS-2019)

Sorrento-Naples, Italy, November 26–29, 2019

<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 2019 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 I-WeCA track examines the impact of emerging concepts, architectures, protocols, and methods on both Web-based information management and Internet of Things (IoT)-driven applications. In today's world, information should be exchanged easily and securely, tasks should be processed collaboratively, devices and objects should be intelligently connected, etc. The track's main theme revolves around the semantic web, big data, cloud computing and social networks.

- Data semantics and Web-Centric Systems
 - Ontologies and Conceptual Data Modeling
 - Knowledge Representation and Reasoning
 - Semantic Data Integration and Ontology Engineering
 - Web Information Retrieval
- Big Data Management and Analytics
 - Big Data Models and Algorithms
 - Big Data Analytics and Metrics
 - Representation Formats for Big Data
 - Big Data Semantics and Knowledge Organization
- Service-based Computing
 - Data and Knowledge as a Services
 - Web Services, Mobile services, and Service Computing
 - Software Architecture and Middleware
 - Security, Privacy, and Trust
- Internet of Things and Intelligent Systems
 - Future Networks for IoT
 - Artificial Intelligence and IoT
 - Localization Technologies
 - IoT Architectures and Platforms
- Grid and Cloud Computing
 - Architectures and Platforms
 - Mobile Clouds

Storage, Data, and Cloud Analytics
Migration, Management, and Quality

- Information Security and Privacy
Security Modeling and Access Control Protocol
Intrusion Avoidance, Detection, and Response
Web Security and Trust Management
Denial of Service: Attacks and Countermeasures
- Applications and Tools
In Enterprise, Education, Science, Industry, and Medicine
Semantic, Web-based, and Big Data applications
Services and Cloud-based applications
IoT and Intelligent Systems applications

Keynotes

The Technical Program of SITIS 2019 will include three keynote lectures presented by Dr Josiane Zerubia, Dr Beniamino Di Martino and Dr Mourad Oussalah. Please check the conference web page for further details on the keynote presentations at <http://www.sitis-conf.org/en/keynotes.php>

Co-located workshops

The technical program will also include submissions from several co-located workshops. Please check the conference web page for a complete list of co-located workshops at <http://www.sitis-conf.org/en/workshops.php>

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 2019 submission site: <https://easychair.org/conferences/?conf=sitis2019>

Organizing committee

Honorary Chair

Ernesto Damiani, University of Milan, Italy

General Co-Chairs

Giuseppe De Pietro, National Research Council, Italy

Gabriella Sanniti di Baja, National Research Council, Italy

Local Organizing Chairs

Massimo De Santo, University of Salerno, Italy

Workshops General Chair

Luigi Gallo, National Research Council of Italy, Italy

Technical Program Committee

Please check the web site for the full list

Conference venue

[Hotel Tramontano, Sorrento Italy](#)