

# **Track Information Management & Retrieval Technologies (IMRT)**

November 29<sup>th</sup> – December 4<sup>th</sup>, 2009

Kenzi Farah Hotel

Marrakesh, Morocco

(in cooperation with IEEE, ACM Sig App.fr, IFIP TC 2 WG 2.13)

## **Objectives**

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.

The focus of this track is on emerging modeling, representation and retrieval techniques that take into account the amount, type and diversity of information accessible in distributed computing environment.

## **Important dates:**

- Paper Submission
- Acceptance/Reject notification
- Camera ready
- Author registration due date
- September 20th, 2009
- October 08th, 2009
- October 16th, 2009
- October 19th, 2009

The topics of interest of the track include:

## **Data Semantics**

- Multiple representation
- Ontology
- Conceptual data modeling
- Knowledge representation and reasoning
- Web semantics and semi structured data
- Semantic caching
- Data warehousing and semantic
- Semantics in data visualization
- Semantic services for mobile users
- Applications of semantic-driven approaches
- Semi-structure data management, meta data, and xml
- Semantic modeling and management of web-based databases

## **Spatial information systems and applications**

- Spatial modeling data modeling
- Conceptual and logical models for gis
- Ontologies for gis applications

- Semantics issues in gis
- Gis service modelling
- Spatial data query and retrieval
- Gis and information grid
- Spatiotemporal data modeling
- Schema mapping and evolution
- Geographical search engines
- Digital geographical libraries
- Query languages and interfaces
- Spatial information integration
- Spatial information visualisation
- Spatial data mining and data warehousing
- Locationbased services
- Peertopeer computing for gis
- Interoperability and standards
- Metadata management
- Gis middleware architectures
- Environmental and urban gis
- Gis and remote sensing

## **Multimedia and application**

- Image and video databases
- Image and video indexing and retrieval
- Emergent semantics in content retrieval systems
- Semantics and meta data in multimedia systems
- Content-based indexing, search, and retrieval of multimedia data
- Approximate search techniques and the quality of answers
- High-dimensional clustering for indexing
- Query languages and query processing for multimedia retrieval
- Multimedia data modeling and visualization
- Tools, benchmarks, evaluation protocols and standards
- Multimedia systems, architecture, and applications
- Multimedia networking and qos
- Peer-to-peer multimedia systems and streaming
- Pervasive and interactive multimedia systems
- Multimedia meta-modeling techniques and operating systems
- Multimedia tools including authoring, analyzing, editing, and browsing
- Visualization
- Multimedia and multimodal user interfaces and interaction models
- Multimedia file systems, databases, and retrieval
- Multimedia security including digital watermark and encryption
- Information security
- Fundamental services on network and distributed systems

## **Submission and Publication**

SITIS 2009 invites submission of high quality and original papers on the topics of the major tracks described below. All submitted papers will be peer reviewed by at least two 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. Prospective authors should submit their papers online at <http://www.easychair.org/conferences/?conf=sitis09>.

Accepted papers will be included in the conference proceedings published by the IEEE Computer Society and referenced in IEEE Xplore and major indexes. A selection of accepted papers will be considered for publication as a journal special issue.

Tutorial proposals should be submitted to [sitis@ubourgogne.fr](mailto:sitis@ubourgogne.fr).

## Track Chairs

- [Richard Chbeir](#) (University of Bourgogne, France)

## Program Committee

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