SITIS 2010 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. SITIS 2010 aims to provide a forum for high quality presentations on research activities centered on two main tracks:

- The focus of the Internet Based Computing and System (IBCS) track is on emerging concepts, architectures, methodologies and techniques for (1) modeling, representation and retrieval techniques that take into account the amount, type and diversity of information accessible in distributed computing environment and (2) creating an interconnected world in which information can be exchanged easily, tasks can be processed collaboratively, and communities of users with similarly interests can be formed while addressing security threats that are present more than ever before.

- The track on Signal & Image Technologies (SIT) focuses on recent developments in digital signal processing and pays particular attention to evolutions in audiovisual signal processing, analysis, coding and authentication, and retrieval techniques.

In addition to the above tracks, SITIS 2010 includes a workshop on Knowledge Acquisition, Reuse and Evaluation (KARE) focuses on the theoreticians and practitioners concerned with developing methods and systems that assist the knowledge management process and assessing the suitability of such methods. Thus, the workshop includes all aspects of acquiring, modeling and managing knowledge, and their role in the construction of knowledge-based systems. Knowledge acquisition still remains the bottleneck for building a knowledge based system. Reuse and sharing of knowledge bases are major issues and no satisfactory solutions have been agreed upon yet.

SITIS is also dedicated to bringing 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 will be 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.

The Steering Committee