Increasingly, the internet and the web are changing the way we process information and extract knowledge from digital data. Web based applications are becoming ubiquitous and pervasive in many aspects of life. The application domains are many, including business, commerce, marketing, finance, publishing, education, research. The processing needs are also many ranging from emailing, reading news, downloading music, publishing multimedia contents, online shopping, information retrieval to emerging social network applications. As the Web continues to grow and evolve, more and more data are becoming available, fostering new research needs for data modeling, retrieval and security.

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 covers the impact of information technology on society regarding the Web and distributed systems. The principal aim of this track is to bring together scholars from academia, research laboratories and industry to address the emerging topics and to propose novel concepts, architectures and methodologies for 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.

We receive about 40 papers from several countries. After a peer review process, the program committee selected 19 papers for presentation at the conference. Each paper is reviewed by at least three reviewers. The selected papers are organized in five sessions, addressing issues ranging from web service communities, interoperability and distributed systems. The selected papers represent a good mix of ongoing research in the main topics of the track and show the high activity and the introduction of new ideas by our community.

We are grateful for the hard work, great effort and dedication of many people. We would like to thank the members of the conference organizing committee for their great support. Our thanks go to the members of the program committee and the external reviewers for their timely evaluation of the submitted papers. Finally, we thank the authors for submitting their work to the track.
We hope that those of you attending the IBCS track of SITIS’10 will find the sessions a lively forum for discussing your work and share experience with other participants. We also hope that in addition to the scientific events, you will find time to enjoy the beauty of Kuala Lumpur and the hospitality of our local host.

**IBCS Chairs**
Richard Chbeir (University of Bourgogne, France)
Kokou Yetongnon (University of Bourgogne, France)