

## EDITORIAL

This special issue of the IADIS INTERNATIONAL JOURNAL ON COMPUTER SCIENCE AND INFORMATION SYSTEMS includes manuscripts of some of the presentations at the IEEE International Conference on Engineering and MIS (ICEMIS 2016), financially sponsored by the International Association of Researchers (IARES), held in Ibn Zohr University, Agadir, Morocco, from September 22 to September 24, 2016.

This editorial summarizes some current trends in the Computing and MIS such as services and applications, and explores one key area of growth: Computing and MIS. To illustrate the role of Computing Applications and Web Services in the growth of services' industries, an example focusing on the learning, government and security are used. Recommendations for future areas of research are presented.

After the fabulous success in ICEMIS 2015, ISWSA 2011, ISWSA 2010 series builds on the last 6 years' successful events and brings together academics and practitioners in the fields of computing and MIS. Finally, I would like to thank all those who have contributed towards the success of this conference, especially the members of the organizing committee, the proceedings committee, and everyone else who made a contribution.

The goal of this conference is to bring together people from the areas of artificial intelligence, databases, social networks, distributed computing, web engineering, data mining, information systems, and others to discuss the latest research trends in computing and MIS such as:

- Modeling and building Web agents
- Using Web Technologies to solve problems in e-commerce and e-government
- MIS applications, architectures and services

Various automated services will help the users to achieve their goals by accessing and processing information in machine-understandable form. This network of knowledge systems will ultimately lead to truly intelligent systems, which will be employed for various complex decision-making tasks.

Computing and Web research can benefit from ideas and cross-fertilization with many other areas: Artificial Intelligence, Natural Language Processing, Databases and Information Systems, Information Retrieval, Multimedia, Distributed Systems, Social Networks and Web Engineering. Many advances within these areas can contribute towards the realization of the Web, Computing and MIS. The IEEE ICEMIS 2016 is a peer reviewed conference that publishes good contributions from different areas. The topics covered in this special issue include: Data Mining and Ontologies, Applications of the Web, Social Web, Web Applications and MIS.

We are delighted that this conference, being held at Ibn Zohr University, includes participation by professionals from 22 countries, presenting 108 papers, together with 3 key-note speakers who will look at the academia's responsibility to acknowledge the computing and MIS groups and labs over world. In addition, the ICEMIS 2016 proceedings is published in the IEEE Digital Library. The ICEMIS 2016 series proceedings are indexed by Ulrichs Periodicals Directory.

Looking at each trend also highlights future research topics. For example, to take advantage of Web industries and computing, practitioners and governments need to further develop web applications and services and continue to invest in research and development. Metrics are needed to measure the impacts of these investments. How should organizations build trust to achieve collaborative applications and services? What are the legal implications of collaborative commerce, learning and government?

A summary of the recommendations of this special issue is:

- Importance of the transition from traditional to web in the sense that interested. Where should the software that you know the meaning and significance of the data on the Web and search engines.
- Developing strategies and solutions to the problem of research by linking traditional relationships and concepts that facilitate access to information in the global search engines. For example:
  - Data Mining and IDSs
  - Applications with clear lessons learned or evaluations
  - Web for large scale applications
  - Web for desktops or personal information management
  - Web technologies for multimedia, sensors, and situational awareness
  - Web technologies for P2P, services, agents, grids and middleware
  - Web technologies for software and systems engineering
  - E-government
  - Mobile Web
  - Database, IR and AI technologies for the Semantic Web
  - Search, query, integration, and analysis on the Semantic Web
  - Social networks and processes on the Web
  - Web technologies for collaboration and cooperation
  - Representing and reasoning about trust, privacy, and security
  - Cloud computing techniques and approaches
  - Frameworks for developing Web applications
  - Security issues for Web applications
  - Management techniques for large-scale Web applications
  - Scalability issues and techniques
  - Techniques for creating highly interactive Web applications
  - Applications that illustrate interesting new features or implementation techniques
  - Performance measurements of Web applications
  - Web services
  - M-commerce applications, issues, and security
- It must be aware that the computing has become the primary source of information and for all data types.
- Clarifying the risks of applications and how to deal with security problems.

On behalf of the conference committees, I would like to thank Ibn Zohr University, IEEE, ACM and IARES for their generous support, the speakers and session chairs for their time and effort, and the author for their contribution to an excellent program. Finally, I would like to thank our colleagues in the organizing committee for all their hard work in helping make this event a success.

The Guest Editor

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