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Towards the Future Internet: A Foreword to the Proceedings of the 5th International Conference on Information Society and Technology

Milan Zdravković*, Miroslav Trajanović*, Zora Konjović**
* Laboratory for Intelligent Production Systems (LIPS),
Faculty of Mechanical Engineering, University of Niš, Niš, Serbia
** Faculty of Technical Sciences, University of Novi Sad, Novi Sad, Serbia

milan.zdravkovic@gmail.com, miroslav.trajanovic@masfak.ni.ac.rs, ftn_zora@uns.ac.rs

I. INTRODUCTION

The research on the Future Internet is driven by need to overcome some of the shortcomings of the current protocols and architectures, mostly in terms of performance, reliability, scalability, security, as well as the other categories. In addition, some societal, economic and business aspects are also considered in defining the long term vision for the Future Internet.

Based on the huge interest of the research community in this topic, which is also supported by the commitment of the European Commission to fund research in this area in scope of Horizon 2020 program, the ICIST Organizational Committee (OC) decided to make effort towards the further promotion and motivation in this exciting area. Hence, this year's edition of the conference was focused on the topic: Future Internet: Technologies, Architectures and Applications.

The 5th International Conference on Information Society and Technologies was organized in Kopaonik, Serbia, 8-10.3.2015. Despite the extreme travel conditions at that time, the conference gathered more than 300 participants from all over the world, to discuss one the recent research results.

The conference was supported by the International Program Committee (IPC), with researchers from 20 countries, namely Australia, Austria, Belgium, Brazil, Bulgaria, Czech Republic, Finland, France, Germany, Greece, Hungary, Luxembourg, Mexico, Netherlands, Portugal, Serbia, Sweden, Switzerland, United Kingdom and United States.

II. SCIENTIFIC PROGRAMME OF 5TH INTERNATIONAL CONFERENCE ON INFORMATION SOCIETY AND TECHNOLOGIES

ICIST 2015 received 114 submissions. The number of submissions is considered as an important evidence of the sustainable conference development and significant growth trend, after 90 submissions received last year. The international character of the conference is again demonstrated by the fact that authors or co-authors of the submitted papers were affiliated to the research institutions from 26 countries.

Based on the outcomes of the evaluation process (each paper is reviewed by 1-3 members of IPC), 64 papers were invited to be presented in some of the regular or special sessions. In addition, 34 papers were invited to be presented in two poster sessions.

The conference hosted three distinguished keynote speakers, namely: Dr. Richard Mark Soley, Chairman and CEO, OMG, USA; Vladimir Weinstein, Engineer Manager, Google, USA; Orri Erling, Program Manager for the Virtuoso Hybrid RDBMS, OpenLink Software.

A. Scientific sessions

During the preparation of the conference, a list of relevant topics was made by the OC and selected researchers were invited to organize the special sessions on these topics. Based on the response, it was decided that ICIST 2015 will host four special sessions, namely: Model-Based information Systems Engineering (MBiSE), Open Data and GIS applications (ODaGIS), ICT in Biomedical Engineering (ICTiBE) and Next-Generation Enterprise Information Systems (NGEIS).

Other papers, submitted and accepted for presentation in the regular program were classified in the following sessions: Software Development, Energy, Environment and Sustainable Development, Simulation and Optimization, Information Systems and Information Society. All accepted papers, presented in regular or special sessions are published in Volume 1 of this book.

Besides these topics, the papers presented at the poster sessions addressed also the area of learning management systems. All accepted papers, presented at the poster sessions are published in Volume 2 of this book.

1) Special Sessions

After significant response and large number of received submissions, ICTiBE session was organized in two timeslots, with 14 papers. Session was organized and chaired by Osiris Canciglieri Junior, Pontifical Catholic University of Paraná, Brasil, Nenad Filipović, University of Kragujevac, Serbia and Miroslav Trajanović, University of Niš, Serbia. The presented papers addressed different issues of modeling medical devices and anatomy; diagnosis, observations and assessment, based on biofeedback apps, neural networks and data mining algorithms; and developing systems for knowledge discovery and medical device design.

Organized by Hervé Panetto, Université de Lorraine, France, Richard Mark Soley and Milan Zdravković,