Message from the General Co-Chairs

CISIS 2014

Welcome to the 8th International Conference on Complex, Intelligent and Software Intensive Systems (CISIS 2014), which will be held at Birmingham City University, Birmingham, UK from July 2 - 4, 2014.

The aim of the conference is to deliver a platform of scientific interaction between the three interwoven challenging areas of research and development of future ICT-enabled applications: Software Intensive Systems, Complex Systems, and Intelligent Systems.

Software Intensive Systems are systems which heavily interact with other systems, sensors, actuators, devices, other software systems and users. More and more domains are involved with software intensive systems, e.g. automotive, telecommunication systems, embedded systems in general, industrial automation systems and business applications. Moreover, the outcome of web services delivers a new platform for enabling software intensive systems. The conference is thus focused on tools, practically relevant and theoretical foundations for engineering software intensive systems.

Complex Systems Research is focused on the overall understanding of systems rather than its components. Complex Systems are very much characterized by the changing environments in which they act and by their multiple internal and external interactions. They evolve and adapt through internal and external dynamic interactions.

The development of Intelligent Systems and agents, which is each time more characterized by the use of ontologies and their logical foundations build a fruitful impulse for both Software Intensive Systems and Complex Systems. Recent research in the field of intelligent systems, robotics, neuroscience, artificial intelligence, and cognitive sciences are very important factor for the future development and innovation of software intensive and complex systems.

The CISIS 2014 is aiming at delivering a forum for in-depth scientific discussions amongst the three communities. The papers included in the proceedings cover all aspects of theory, design and application of complex systems, intelligent systems and software intensive systems. The conference received 179 papers and accepted 50 papers (about 28 % acceptance rate), which were selected after a careful review process.

The organization of an International Conference requires the support and help of many people. A lot of people have helped and worked hard to produce a successful CISIS 2014 technical program and conference proceedings. First, we would like to thank all the authors for submitting their papers, the Program Committee Members, and the reviewers who carried out the most difficult work by carefully evaluating the submitted papers.

We are grateful to Honorary Chair Prof. Makoto Takizawa, Hosei University, Japan, for his guidance and advice.
We would like to thank Dr. Philip Moore, Birmingham City University, UK, Dr. Helio Santos Silva, Regional University of Blumenau, Brazil, and Dr. Olivier Terzo, Istituto Superiore Mario Boella, Torino, Italy, as CISIS 2014 PC Co-Chairs for their efficient and timely work.

This year in conjunction with CISIS 2014 we have 10 International Workshops that complemented CISIS 2014 program with contributions for specific topics. We would like to thank the Workshop Co-Chairs: Dr. Andrew M. Thomas, Wales Centre for Behaviour Change, UK, Dr. Juggapong Natwichai, Chiang Mai University, Thailand, and Dr. Hsing-Chung Chen, Asia University, Taiwan, and all workshop organizers for organizing these workshops.

We thank Dr. Makoto Ikeda and Mr. Tetsuya Oda, Fukuoka Institute of Technology, Japan, for their excellent work and support as Web Administrators with the Web Submission and Management System of the conference.

Finally, we would like to thank the Local Arrangement team of Birmingham City University for their support and good local arrangement for the conference.

We hope you will enjoy the conference and have a great time in Birmingham, UK.

CISIS 2014 General Co-Chairs
Leonard Barolli, Fukuoka Institute of Technology (FIT), Japan
Fatos Xhafa, Technical University of Catalonia, Spain