Message from the 3PGCIC-2010 Organizing Committee

Welcome to the 5th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC-2010), at Fukuoka Institute of Technology, Japan, from November 4-6, 2010.

P2P, Grid, Cloud and Internet computing technologies have been very fast established as breakthrough paradigms for solving complex problems by enabling large-scale aggregation and sharing of computational, data and other geographically distributed computational resources.

*Grid Computing* originated as a paradigm for high performance computing, as an alternative to expensive supercomputers. Since late 80’s, Grid computing domain has been extended to embrace different forms of computing, including Semantic and Service-oriented Grid, Pervasive Grid, Data Grid, Enterprise Grid, Autonomic Grid, Knowledge and Economy Grid, etc.

*P2P Computing* appeared as the new paradigm after client-server and web-based computing. These systems are evolving beyond file sharing towards a platform for large scale distributed applications. P2P systems have as well inspired the emergence and development of social networking, B2B (Business to Business), B2C (Business to Consumer), B2G (Business to Government), B2E (Business to Employee), etc.

*Cloud Computing* has been defined as a “computing paradigm where the boundaries of computing are determined by economic rationale rather than technical limits”. Cloud computing is a multi-purpose paradigm that enables efficient management of data centres, timesharing, and virtualization of resources with a special emphasis on business model.

Finally, *Internet Computing* is the basis of all large scale distributed paradigms; it has very fast developed into a vast area of flourishing field with enormous impact on today’s information societies. Internet-based computing serves thus as a universal platform comprising a large variety of computing forms.

The aim of the 3PGCIC conference is to provide a research forum for presenting innovative research results, methods and development techniques from both theoretical and practical perspectives related to P2P, Grid, Cloud and Internet computing.

Many people have helped and worked hard to produce a successful 3PGCIC-2010 technical program and conference proceedings. First, we would like to thank all the authors for submitting their papers, the PC members, and the reviewers who carried out the most difficult work by carefully evaluating the submitted papers. Based on the reviewers’ reports, the Program Committee selected 37 papers (36% acceptance rate) for presentation in the conference and publication in the CSP proceedings.

We would like to thank the Workshop Chairs Takahiro Hara and Farookh Hussain for their work in selecting the workshops and for supporting the workshop organizers. Our appreciation go to all workshop organizers for their hard work in successfully organizing these workshops.
We would like to express our gratitude to Prof. Makoto Takizawa for his interesting keynote talk and his support to the conference.

We would like to give special thanks to FIT and especially Mr. Yoji Unoki, Chairman of Board of Trustees of FIT for hosting 3PGCIC-2010, providing the university facilities and his continuous support.

We would like to thank Fukuoka City and Fukuoka Convention Bureau for their great support, help, advice and local arrangements.

Finally, we would like to thank Joan Arnedo Moreno for his excellent work as Web Administrator of the conference and the Local Arrangement of Fukuoka Institute of Technology for their support and good local arrangement for the conference.

We hope you will enjoy the conference and have a great time in Fukuoka.

3PGCIC-2010 International Conference Organizers

3PGCIC-2010 General Co-Chairs

Fatos Xhafa, Technical University of Catalonia, Spain
Leonard Barolli, Fukuoka Institute of Technology (FIT), Japan

3PGCIC-2010 Program Committee Co-Chairs

Hiroaki Nishino, Oita University, Japan
Markus Aleksy, ABB AG Corporate Research Center, Germany