Message from the Organizing Committee

3PGCIC 2011

Welcome to the 6th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC-2011), which will be held in conjunction with BWCCA-2011 International Conference from October 26 to October 28, 2011 at Technical University of Catalonia, Barcelona, Spain.

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), and so on.

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-2011 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. The conference received 109 submissions. Based on the reviewers’ reports, the Program Committee selected 29 papers (about 27% acceptance rate) for presentation in the conference and publication in the CSP proceedings. Additionally, 34 papers were accepted as workshop papers.

We would like to thank the Workshop Co-Chair Dr. Hiroaki Nishino, Oita University, Japan for his work in selecting the workshops and for supporting the workshop organizers. Our appreciations also go to all workshops organizers for their hard work in successfully organizing these workshops.

We would like to express our gratitude to Prof. Makoto Takizawa as Honorary Chair of BWCCA-2011 for his support and help. We give special thanks to Prof. Mario Koppen his interesting keynote talk.
Finally, we would like to thank Joan Arnedo Moreno for his excellent work as Web Administrator of the conference and the Local Arrangement at Technical University of Catalonia for making excellent local arrangement for the conference.

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

3PGCIC-2011 International Conference Organizers

3PGCIC-2011 General Co-chairs
Fatos Xhafa, Technical University of Catalonia, Spain
Leonard Barolli, Fukuoka Institute of Technology (FIT), Japan

3PGCIC-2011 Program Committee Co-chairs
Joanna Kolodziej, University of Bielsko-Biala, Poland
Samee U. Khan, North Dakota State University, USA