Welcome to the Fifth International Workshop on Advanced Distributed and Parallel Network Applications (ADPNA 2011). ADPNA 2011 is being held in conjunction with the 14th International Conference on Network-Based Information Systems (NBiS 2011) at Polytechnic University of Tirana, Tirana, Albania from September 7 to September 9, 2011.

The purpose of the ADPNA 2011 Workshop is to bring together developers and researchers to share ideas and research work in the emerging areas of distributed and parallel network applications.

The papers included in the proceedings cover aspects of theory, design, and application of distributed and parallel network systems and applications. ADPNA 2011 contains high-quality research papers submitted by researchers from all over the world. Each submitted paper was peer-reviewed by Program Committee members and external reviewers who are experts in the subject area of the paper. Based on the review results, the Program Committee accepted 6 papers.

For organizing an international symposium, the support and help of many people is needed. First, we would like to thank all of the authors for submitting their papers. We also appreciate the support from Program Committee members and reviewers who carried out the most difficult work of carefully evaluating the submitted papers.

We would like to give our special thanks to NBiS 2011 Workshops Co-Chairs Prof. Nik Bessis, Dr. David Daniar for their strong encouragement and guidance in organizing the workshop. We would like to thank NBiS 2011 General Co-Chairs Prof. Rozeta Miho, and Dr. Fatos Xhafa, for their advices regarding the organization of ADPNA 2011.

Finally, we would like to thank the Local Arrangements Chairs for the local arrangement of the workshop.

We hope you will enjoy ADPNA 2011 and NBiS 2011 International Conference and have a great time in Tirana, Albania.

**ADPNA 2011 Workshops Organizers**

**Workshop Organizers**
- Makoto Takizawa, Seikei University, Japan
- Leonard Barolli, Fukuoka Institute of Technology (FIT), Japan

**Workshop Chair**
- Tomoya Enokido, Rissho University, Japan