Welcome to the 28th IEEE International Conference on Advanced Information Networking and Applications (IEEE AINA 2014), which will be held at University of Victoria, Victoria, Canada from May 13 to May 16, 2014.

The purpose of the AINA conference is to bring together researchers, developers, and industrial experts to share new ideas and recent research results in the emerging areas of information networking and their applications. Nowadays, networks are going through a rapid evolution. The papers included in the proceedings cover all aspects of theory, design, and application of computer networks and distributed computing systems. Most of the papers deal with new trends in information networking, such as wireless sensor networks, ad-hoc networks, cloud computing, peer-to-peer systems, grid computing, pervasive and ubiquitous systems, multimedia systems, security, multi-agent systems, high-speed networks, and web-based systems.

This edition of AINA received 583 paper submissions from all over the world. Each submission was peer-reviewed by program committee members or invited external reviewers. Finally, the program committee accepted 154 papers (about 26% acceptance ratio), which will be presented during the conference days. Unfortunately, many interesting and good papers could not be accepted in IEEE AINA 2014 due to the limited number of time slots allocated for presentations at the conference.

We are very proud and honored to have two distinguished keynote talks: one by Prof. Shojiro Nishio, Osaka University, Japan, and the second by Prof. Victor C.M. Leung, The University of British Columbia, Canada. They will present their recent work and will give new insights and ideas to the conference participants.

Organizing an international conference of this size is of course a team effort. Therefore, we gladly admit that we had the help of many very professional people. First of all, we would like to thank all the authors for their interesting contributions since they shape the program and make it interesting for the audience. Moreover, we would like to express our thankfulness to all program-vice chairs for their great efforts. Additionally, we would like to thank all program committee members and reviewers who carried out the most important work to evaluate the submitted papers. We also thank the workshops chairs Prof. Fatos Xhafa, Technical University of Catalonia, Spain, Prof. Shengrui Wang, University of Sherbrooke, Canada, Prof. Hui-Huang Hsu, Tamkang University, Taiwan and Dr. David Taniar, Monash University, Australia for organizing many excellent workshops and symposiums, which enrich the conference and provide additional opportunities for discussions and future co-operations.

The great success of the AINA conference series would not be possible without the enormous commitment and support of the steering committee co-chairs Prof. Makoto Takizawa and Prof. Leonard Barolli. Therefore, we would like to thank them for their strong encouragement and guidance.

The general coordination of an event such as AINA conference requires a lot of coordination effort as well as many other activities related to the conference organization. Here, we thank the general co-chairs Dr. Kin Fun Li, University of Victoria, Canada, Prof. Tomoya Enokido, Rissho University, Japan, Prof. Jong Hyuk Park, Seoul National University of Science and Technology, Korea, and Dr. Antonio Gentile, University of Palermo, Italy for their great support and invaluable suggestions. We give special thanks to Dr. Makoto Ikeda for his great efforts and efficient work to deal with many conference matters.

We hope you will enjoy the conference and readings and have a great time in Victoria, Canada.

Alex Thomo, University of Victoria, Canada
Takahiro Hara, Osaka University, Japan
Muhammad Younas, Oxford Brookes University, UK
Wenny Rahayu, La Trobe University, Australia
IEEE AINA 2014 Program Committee Co-Chairs