Welcome to the 20th International Conference on Advanced Information Networking and Applications (AINA 2006). The conference will be held in Vienna University of Technology, Vienna, Austria. This international conference is a forum for sharing ideas and research work in the emerging areas of information networking and their applications. Networks of today are going through a rapid evolution. In the last few years we have observed an explosive growth of multimedia computing, communication and applications. This revolution is transforming the way people live, work, and interact with each other, and is impacting the way businesses, education, entertainment, and health care are operating. Presently, a lot of research on high-speed networks and multimedia communication is going on. The papers included in the proceedings cover all aspects of theory, design and application of computer networks and distributed computing systems.

AINA 2003 received 250 paper submissions, AINA 2004 402 paper submissions, AINA 2005 about 450 paper submissions and this year AINA 2006 received 521 paper submissions. We received many good papers and it was very difficult to make the decision for accepting the papers. Finally, 153 papers were accepted. This shows that AINA is growing in quantity and quality and is becoming one of the main international conferences on the Information Networking. In conjunction with the AINA 2006 conference will be held 10 workshops, which also accepted high quality papers.

An international conference of this size requires the support and help of many people. A lot of people have helped and worked hard to produce a successful AINA-2006 technical program and conference proceedings. First, we would like to thank all the authors for submitting their papers, the session chairs and distinguished keynote speakers. We are indebted to Program Area Chairs, 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 Prof. Makoto Takizawa, the Chair of the Steering Committee for his strong encouragement, guidance and insights, and for spending a lot of energy for conference organization and shaping the conference program. We also would like to thank the Honorary Co-Chairs Prof. Shouichi Noguchi and the International Advisory Committee for their encouragement and support.

We would like to give our thanks to Workshops Co-Chairs Prof. Hui-Huang Hsu, Prof. Laurence T. Yang and Prof. Mohammed Younas for their great efforts to held 10 workshops together with AINA 2006.

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Finally, we would like to thank the Local Arrangement Chair, the Administration Staff of Vienna University of Technology for their great support and help and for making excellent local arrangement for the conference.

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

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