FOREWORD

Special Section on Advanced Information and Communication Technologies and Services in Conjunction with Main Topics of APCC/COIN 2008

Globalization in ICT (Information and Communication Technology) industry has been driving advanced R&D activities, especially in Asia-Pacific region. The two series of international conferences, APCC (Asia-Pacific Conference on Communications) and COIN (International Conference on Optical Internet), have provided, for a number of years, the forum for researchers and engineers in the Asia-Pacific region to present and discuss topics related to advanced information and communication technologies, optical networking and devices.

In 2008, those conferences were co-located, symbolically named APCC/COIN 2008, in Tokyo with the sponsorship of Communications Society of the IEICE. In APCC2008, 203 papers from 22 countries and regions were presented, with the attendance of 250 researchers. Topics includes, wireless technologies, and information communication technologies. In COIN2008, 86 papers from 15 countries and regions were presented, with the attendance of 116 participants. Topics include, Optical Network Architecture and Control, Optical Transmission Systems and Technologies, Optical Access Systems and Technologies, and Optical Components, Devices, Fabrication and Applications. Overall, the conferences provided the stimulating opportunity for exchanging ideas among researchers in Asia-Pacific Regions.

This special section aims at the dissemination of the latest research activities especially emerging in Asia-Pacific region, catalyzing mutual understanding and encouraging further collaboration among researchers and engineers in this region. There were 76 submissions (59 papers and 17 letters), not only from the works presented at APCC/COIN 2008, but also from the latest original works in Asia-Pacific region. The editorial committee finally selected 7 papers and 3 letters after the careful and fair review. The topics of the selected paper cover wide variety of technologies, such as wireless sensor networks, and to optical transmission technologies, which reflected the emerging activity in academia and industries in Asia-Pacific region.

Finally, I would like to express my appreciation to authors for their contribution and to the reviewers and the members of the special section editorial committee for their great effort in completing review process.

Special Section Editorial Committee
Guest Editor-in-Chief: Iwao Sasase (Keio University)
Guest Editors: Takashi Shimizu (NTT), Hiroaki Harai (NICT)
Guest Associate Editors: Ken-ichi Kitayama (Osaka University), Ken-ichi Sato (Nagoya University), Hiroshi Ohta (NTT), Soichiro Araki (NEC), Hiroyuki Morikawa (The University of Tokyo), Tomohiko Taniguchi (Fujitsu Labs.), Tomohiro Otani (KDDI Labs.), Yutaka Arakawa (Kyushu University), Zhisheng Niu (Tsinghua University)

Iwao Sasase, Guest Editor-in-Chief

Iwao Sasase *(Fellow)* received the B.E., M.E., and D.Eng. degrees in Electrical Engineering from Keio University, Yokohama, Japan, in 1979, 1981 and 1984, respectively. From 1984 to 1986, he was a Post Doctoral Fellow and Lecturer of Electrical Engineering at University of Ottawa, ON, Canada. He is currently a Professor and Chairman of Department of Information and Computer Science, Keio University, Yokohama, Japan. His research interests include broadband mobile and wireless communications, ad-hoc and sensor networks, optical communications, network security and information theory etc. He was the Vice President of the IEICE Communications Society (2004–2006), the Chair of the IEICE Network System Technical Committee (2004–2006), the Director of the IEEE ComSoc Asia Pacific Region (2004–2005), the Chair of the IEEE ComSoc Satellite and Space Communications Technical Committee (2000–2002), and the Chair of the IEICE Communication System Technical Committee (2002–2004).

Copyright © 2009 The Institute of Electronics, Information and Communication Engineers