FOREWORD

Special Section on New Generation Mobile and Sensor Networking and Future Networks

Lots of innovative researches for New Generation Network (NwGN) and the Future Internet (FI) are on ongoing for clean-slate redesign of the current architectures. On the contrary, innovative wireless technologies are emerging, e.g. beyond 4th generation mobile systems, sensor networks and virtual/augmented reality applications with real-space information, and cognitive radio technologies. Thus it is strongly expected that NwGN and FI are designed to be integrated with such technologies.

Taking this situation into account, this special section was planned to discuss new visions, ideas, and results of a further promote research and development of New Generation Mobile and Sensor Networking and Future Networks, in wider range of research communities. A category "position paper" for describing mainly innovative ideas was specially set up in this special section though it is handled and published as regular letter category. We received 37 submissions: 8 letters and 29 papers from Asia. Each submission was carefully reviewed by one guest associate editor and two experts. This special section contains 3 letters and 9 papers. They cover various kinds of important technical contributions: new mobility architectures, new communication paradigms for mobility and sensors, cross-layer control and so on.

The editorial committee believes that this special section is valuable and fruitful for readers, and encourages further research, development and deployment activities. On behalf of the editorial committee, I would like to express our sincere appreciation to all the authors for submitting papers, and reviewers for their great efforts and contributions.

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Toru Hasegawa, Guest Editor-in-Chief

Toru Hasegawa (*Senior Member*) received the B.E., the M.E. and Dr. Informatics degrees in information engineering from Kyoto University, Japan, in 1982, 1984 and 2000, respectively. Since joining KDD in 1984, he has been working in the field of formal description technique (FDT) of communication protocols, ATM and high-speed protocols. From 1990 to 1991, he was a visiting researcher at Columbia University. His current interests are future Internets, mobile computing and so on. He is currently the executive director in KDDI R&D Laboratories Inc. He was a guest professor at National Institute of Informatics from 2002 to 2006. He received IPSJ Convention Award in 1987 and The Meritorious Award on Radio of ARIB in 2003. He is a fellow of IPSJ.