

---

## FOREWORD

---

### Special Section on Towards Management for Future Networks and Services

Various post-IP network architectures are being considered such as realizing a clean slate network architecture from scratch, converging wired/wireless networks, and providing seamless service among communication, broadcasting, and consumer electronics to innovate a new system paradigm. The role of managing information and communication is emphasized ever more, as an efficient management of these large scaled, complicated, and diverse networks and services is directly related to higher value-added network systems. Furthermore, the Great East Japan Earthquake, which resulted in serious damage to the communication infrastructure, triggered us to re-consider how to operate and manage networks and services for realizing dependable and resilient ICT infrastructure in future. From the background mentioned above, a special section was planned to further promote research and development of network and service management for future networks.

The Call for Papers attracted 40 submissions in total. Specifically, 33 full papers and 7 letters were submitted from 10 countries (Brazil, China, France, Japan, Korea, Singapore, Spain, Taiwan, Tunisia, and United States). After the careful review process, the editorial committee had selected 6 papers and 2 letters. Additionally, this special section includes one invited paper discussing on the direction of information and communication technology for future smart community, and one invited letter presenting the damage and restoration of communication networks and pointing to a future disaster-resilient society.

As the Guest Editor-in-Chief, I would like to express my sincere appreciation to all authors for their excellent contributions, and to all reviewers and members of the editorial committee for their great efforts to this special section.

Special Section Editorial Committee Members

Guest Editor: Toshio Tonouchi (NEC)

Associate Editors: Takuya Asaka (Tokyo Metropolitan Univ.), Nagao Ogino (KDDI R&D Labs.), Shigeo Urushidani (NII), Kazuhiko Kinoshita (Osaka Univ.), Marat Zhanikeev (Tokyo Univ. of Science), Koji Sasayama (NTT), Yuji Nomura (Fujitsu Labs.), Kiyohito Yoshihara (KDDI R&D Labs.), Noriyuki Sasaki (NTT Comware), Eiji Takahashi (NEC), Kyoko Yamori (Asahi Univ.)

---

Shingo Ata, Guest Editor-in-Chief

---

**Shingo Ata** (*Member*) received M.E. and Ph.D. degrees in Informatics and Mathematical Science from Osaka University in 1998 and 2000, respectively. From 2003 to 2006, he was a Lecturer of Graduate School of Engineering at Osaka City University. Since 2006, he has been an Associate Professor of Graduate School of Engineering at Osaka City University. His research works include networking architecture, design of communication protocols, and performance modeling on communication networks. He is a member of IEEE.

