FOREWORD

Special Section on Architectures, Protocols, and Applications for the Future Internet

The Internet has been improved to meet new requirements since it was developed and deployed. For example, there were only a few applications such as mail, ftp, and telnet at first. A lot of new applications have been created since then. Today, World Wide Web has become a tool indispensable for daily life. The Internet did not consider security at first. Several security mechanisms and protocols have been developed. Today, people can safely enjoy shopping through the Internet. On the other hand, not only computers but also *things* will communicate with each other in the future Internet This is so-called *Internet of Things*. Redesigning the Internet from scratch (*clean-slate approach*) has lately attracted considerable attention.

Based on these activities, an editorial committee for the special section was organized to publish these new discussion items. For the call for papers, 28 papers were submitted to this special section, and 6 of them are accepted for publication through the review process. The accepted papers include a wide variety of topics in the field of the Internet research. We believe that all these papers provide useful information to readers who are interested in this field and stimulate the future research activities of the Internet technology and their applications.

Finally, the editorial committee would like to express their sincere appreciation to all authors for their valuable contributions and to all reviewers for their cooperation in completing the review process under a tight schedule.

Fumio Teraoka, Guest Editor-in-Chief

Fumio Teraoka *(Member)* received M.E. and D.E degrees from Keio University in '84 and '93, respectively. He joined Canon Inc. in '84 and moved to Sony Computer Science Laboratory Inc. in '88. Since 2001, he is a professor of Keio University. He has been working on Internet mobility, cross-layer collaboration, transport protocols, etc. He is currently interested in new network architecture for NwGN (New Generation Internet).