FOREWORD

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

Internet technology is getting increasingly pervasive as our daily life infrastructure. In recent years, not only smart phones and tablet PCs, but also various devices such as smart meters, smart cars, environmental sensors, etc. are connected to the Internet. The IoT society where various kinds of communication between these devices is performed on the Internet has come. Along with this, the requirement for functions and performance needed for the Internet is becoming more sophisticated, and big challenges including the Internet architecture are expected. While many researches tackle such emerging applications, remaining issues should be solved to step forward the next stage. This special section aims to share the latest research results of architectures, protocols, and applications for the Future Internet.

In responding to the call for paper of this special section, we have received 22 submissions (two for letters). Through a rigorous and objective review process performed by our editors and reviewers, ten papers and one letter have been selected for publication. Topics on Internet/network architectures, QoS management, security management, vehicular network, overlay network, and ad-hoc network are discussed in these papers. We also had one invited paper on machine learning mechanisms for cyber-phishing attack. We hope this special section will provide useful views of research and development for advanced networking technologies towards the Future Internet.

We would like to express our sincere thanks to all the authors for their valuable contributions, and to the anonymous reviewers for their voluntary work. As the Guest Editor-in-Chief of this special section, I would also like to thank the team of Guest Editors and Guest Associate Editors for their participation and efforts to make this special section successful.

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Tomoki Yoshihisa (*Member*) received his Bachelor's, Master's, and Doctor's degrees from Osaka University, Osaka, Japan, in 2002, 2003, 2005, respectively. Through a research associate at Kyoto University and a visiting researcher at University of California, Irvine, he has been an associate professor at Osaka University since 2009. He has made significant technical contributions in the research area of stream data distribution and has led some national research projects (SCOPE, etc.). His research achievements have been published in over 100 research publications including top-tier international transactions (IEEE Transactions on Broadcasting) and conference/workshop proceedings (IEEE BigData, IEEE Globecom, etc.)