
FOREWORD

Special Section on Internet Architecture, Applications and Operation Technologies for a Cyber-Physical System

A “Cyber-Physical System” which creates new value for society will become increasingly important by collecting various data in the real world with the sensor network or the Internet and analyzing and knowledge using large-scale and distributed data processing technology.

To deploy the cyber-physical system widely in society, it is important to establish multilateral solutions including not only the design of the Internet architectures and protocols but also the contributions against security or management issue between the real world and cyberspace. Platform technologies that enable to collect, storage and analysis various data using distributed computing, cloud edge computing, etc. are also indispensable in the future.

The special section aims to share Internet Architecture, Applications and Operation Technologies for a Cyber-Physical System.

For this section, 11 high-quality papers were submitted and 4 papers were accepted for the publication. This includes an invited paper, describing the evolution of the design and implementation of IP over P2P technology for cloud and edge computing platform. We hope that this special section will encourage researchers and will promote future research activities in the relevant fields of study.

The editorial committee members sincerely appreciate all authors for their valuable contributions.

Finally, as the Guest Editor-in-Chief of this special section, I would like to thank the team of Guest Editors and Guest Associate Editors for their participation and efforts to make this special section successful.

Special Section Editorial Committee Members

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Tohru Kondo, Guest Editor-in-Chief

Tohru Kondo (*Member*) received B.E, M.E and Ph.D degree from Hiroshima University, 2001, 2003 and 2006, respectively. He is presently an associate professor of the Information Media Center, Hiroshima University, Japan. He is in charge of design, implementation and operation management of the campus network or information systems in the university, and his research interests include real-time communication, virtualization technology, and cloud computing technology, etc. He received IPSJ Yamashita SIG Research Award in 2015, etc. He is a member of IEICE, IEEE and IPSJ.

