Editor's Message to Special Issue on Information Security or Operation Technology in the Age of Virtualization

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This special issue is planned and edited by the Special Interest Group on Internet and Operation Technology (SIG-IOT) as a central role.

Computer systems are becoming more complicated, because of virtualization of hardware and computer network. Various technology is developed and used every day in the field one of computer science. The virtualization technology is one of those, too. In old days, the virtualization technology was only used to make memory space look bigger than the real thing. Now, various things including computer network are virtualized as well as hardware. Cloud computing service using such kind of virtualization technology has been started, and the system becomes complicated much more. Therefore advanced operational techniques also become increasingly necessary. In addition, since the system becomes complicated, it also becomes struggling to consider security. On the other hand, the Internet comes to be used widely in a social infrastructure, and security technology becomes more important than ever. In this special issue, we have to attract excellent papers related to research and development of new services in the age of virtualization, it was aimed to contribute to the development of operational techniques.

Editing Committee consisted of 16 people received 15 papers and reviewed them thoroughly and strictly. This special issue has common themes in the 6th Internet and Operation Technology Symposium (IOTS2013) held in December 2013. So we involved members of the program committee of IOTS2013 to reinforce the continuity of theme. In the same way of former special issues arranged by SIG-IOT, we have made a best effort to give precedence to "Dos and Don'ts" (established by the editorial committee of IPSJ Journal) and asked the reviewers to make comments instructive for authors. Consequently, we selected 7 papers to be included in this special issue. As a result, we were able to publish excellent papers that mainly discussed the virtualization technology, security of the network and computer system.

I appreciate IPSJ that gave me a plan of chance in this special issue. This special issue could be edited by support of many people. Special thanks to authors, reviewers, editorial board and Society office staff. I hope that this special issue is to contribute to evolution of the future of technology.

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