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## FOREWORD

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

Modern Internet services have evolved tremendously compared to the early days. With high-speed wireless and optical communications as the infrastructure and using machine learning on the premise of cloud systems, social, commercial, governmental, and industrial systems and services have been all provided based on the Internet and will continue to be provided to the following future.

Under these circumstances, the editorial board of this special section was organized to form a forum for seeking and discussing new insights into more sophisticated future generation computer systems and services based on the Internet. In response to our call for paper, 12 papers were submitted, and after rigorous peer review, 10 papers were finally accepted for publication. Each of the accepted papers is very interesting, and this special section as a whole has come to consist of a wide range of fields. In addition, we are very pleased to be able to publish a very attractive invited paper from abroad.

The editorial board would like to appreciate all the authors for submitting their valuable papers and all the reviewers who completed the review process in a short period of time. It would be our great pleasure if this special issue could be beneficial to our readers.

#### Special Section Editorial Committee Members

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Shinji Sugawara, Guest Editor-in-Chief

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**Shinji Sugawara** (*Senior Member*) received B. Eng., M. Eng., and Dr. Eng. degrees from Tokyo Institute of Technology, in 1994, 1996, and 1999, respectively. In 1999, he joined the University of Electro-Communications, Tokyo, as an assistant professor, and then in 2005, joined Nagoya Institute of Technology, Japan as an associate professor. From January 2006 to January 2007, he concurrently was a visiting researcher in the University of California, Irvine. In April in 2013, he joined Chiba Institute of Technology, Narashino, Japan as a professor. He is interested in computer communication network, contents retrieval, and distributed systems. He is a member of IEEE and ACM.

