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## FOREWORD

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### Special Section on Technology and Architecture for Sustainable Growth of the Internet

The Internet is used everywhere and is recognized as a social infrastructure for communication to support a wide variety of human activities. However, the technologies related to the Internet still have a lot of room to grow, and a lot of research and development processes are still ongoing. In particular, many researchers have been discussing on how to achieve sustainable growth of the Internet. Such discussions include those of IPv6 related technologies, high performance data transfer, mobile technology, P2P networks, performance analysis, large scale network design, network security and so on.

Based on these technology trends, a special section on “Technology and its Architecture for Sustainable Growth of the Internet” is planned for the seventh installment in a series on Internet Technology. 19 papers were submitted for this section (14 full papers and 5 letters) and 8 of them are overseas submissions. After a careful review process, 10 papers were accepted for publication (7 full papers and 3 letters). We also have 1 invited paper that report on IPv4 to IPv6 transformation schemes which deals with urgent issues for growth of the Internet. All of the papers include hot topics on the Internet and should be important in pursuing the sustainable growth of the Internet.

Finally, the editorial committee members would like to express appreciation to the authors for their valuable contributions and to the reviewers for the noteworthy comments and suggestions, and their cooperation during the reviewing process under a tight schedule.

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Katsuyuki Yamazaki, Guest Editor-in-Chief

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**Katsuyuki Yamazaki** (*Member*) received B.E. and D.E. degrees from the University of Electro-Communications and Kyushu Institute of Technology in '80 and '01, respectively. At KDD Co. Ltd., he had been engaged in R&D and international standardization of ISDN, S.S. No.7, ATM networks, L2 networks, Internet, mobile networks and ubiquitous networking, and was responsible for R&D strategy of KDDI R&D Labs. He is currently a Professor of Nagaoka University of Technology.

