
FOREWORD

Special Section on New Technologies and their Applications of the Internet

The Internet plays a great role in our society than ever, and the Internet applications are indispensable tools in daily life. Not only text but also multimedia information is carried by the Internet in real time which requires QoS (Quality of Service) support. In this way, the Internet is used in a wider manner than ever. So, many researchers have started discussions of new technologies of the Internet and their applications. Such discussions include those of QoS, high performance data transfer, mobile technology, P2P networks, performance analysis, large scale network design and network security.

Based on these activities, an editorial committee for the special section was organized to publish these new discussion items. For the call for papers, 44 papers were submitted to this special section, and 21 of them (including 4 letters) are accepted for publication through the review process. The accepted papers include a wide variety of topics in the field of the Internet research. We believe that all these papers provide useful information to readers who are interested in this field and stimulate the future research activities of the Internet technology and their applications.

Finally, the editorial committee would like to express their sincere appreciation to all authors for their valuable contributions and to all reviewers for their cooperation in completing the review process under a tight schedule.

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Katsuyuki Yamazaki, Guest Editor-in-Chief

Katsuyuki Yamazaki (*Senior 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.

