
FOREWORD

Special Issue on the Past, Present, and Future of Communications Technologies in the IEICE

In January 1976, the Institute of Electronics, Information and Communication Engineers (IEICE) initiated publication of English transactions known as Section E. In 1991, Section E was divided into four different volumes encompassing technical areas with each corresponding to one of the four societies of the IEICE. The IEICE Transactions on Communications began as one of these four volumes. In its first year, only 112 articles appeared in the IEICE Transactions on Communications, but the publication has since grown into an international academic journal and contains more than 250 edited papers as of 2016. Currently, almost half of contributions to IEICE Transactions on Communications originate from foreign countries.

This special issue, planned as part of the 100th anniversary project of the IEICE, is under the theme of “On the Past, Present, and Future of Communications Technologies in the IEICE”. The goal of this issue is to gather papers from a wide pool of contributors and distribute them worldwide to provide insights into future technologies based on developments from the past to the present. Publication of the special issue was carried out with the input of the technical committees of the IEICE communication society which proposed subjects along with potential authors appropriate for papers in this special issue. Based on recommendations from technical committees, distinguished experts were invited to submit papers. Through this process, 18 excellent papers have been selected from subjects including applications, networking, and transmission technologies (optical and wireless). All submitted papers have been accepted for inclusion in the special issue after a careful review process.

On behalf of the editorial committee, I would like to sincerely thank all of the authors, the reviewers, and the IEICE publication office who supported this special issue. I also hope that this special issue will be the first step towards embarking on the next hundred years of prestigious developments in not only information and communications technology, but also the IEICE.

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Shigeo Shioda, Guest Editor-in-Chief

Shigeo Shioda (*Member*) is a Professor with the Graduate School of Engineering, Chiba University, Chiba, Japan. He received the B.S. degree in physics from Waseda University in 1986, the M.S. degree in physics from University of Tokyo in 1988, and the Ph.D degree in traffic engineering from University of Tokyo, Tokyo, Japan, in 1998. He joined NTT in 1988 and moved to Chiba University in 2001. His research areas include performance evaluation of telecommunication systems, indoor localization, and wireless sensor networks. Prof. Shioda is a member of the IEICE, the IEEE, the ACM, and the Operation Research Society of Japan.

