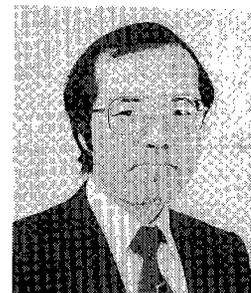


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## FOREWORD

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### Special Section on Networks and Mobile Communications



M. Sengoku

The demand for mobile communication services is rapidly increasing, because the mobile communication service is synonymy of an ideal communication style realizing communication in anytime, anywhere, and with anyone. The development of economic and social activities is a primary factor of the increasing demand for mobile communication services. The demand stimulates the development of technology in mobile communications including personal communication services. Thus mobile communication has been one of the most active research areas in communications in the last several years.

The IEICE has already published some special issues on mobile communications and relevant area in English Version of Transactions on Communications. However, according to the attractive feature of mobile communications and huge amount of research work since then, we are pleased to publish concerning mobile communication in this section. The main topics of this special section include networks in mobile communication, application of graph & network theory to mobile communications, channel assignment algorithm in cellular systems, protocol in mobile communication networks and traffic control in mobile communication.

This special section consists of four invited papers and ten regular papers. I believe that these papers include a lot of interesting information on mobile communication technology.

My sincere appreciation and gratitude are extended to all authors for their efforts in preparing and revising the manuscripts for this special section. The editorial committee of this special section was supported by twenty seven reviewers. I would like to express my sincere thanks for their great effort expended in the editorial work. I would also like to thank all the members of the editorial committee of this special section.

The members of the editorial committee of this section are

Hiromi Okada,	Osaka University
Yoshio Yamaguchi,	Niigata University
Kazunori Okada,	Communication Research Laboratory
Kaoru Kurosawa,	Tokyo Institute of Technology
Shuji Tsukiyama,	Chuo University
Masato Eguchi,	NTT Mobile Communication Network Inc.
Yoshikuni Onozato,	Gunma University
Masujiro Sato,	NEC Corporation
Shoji Shinoda,	Chuo University

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Masakazu Sengoku, Guest Editor

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**Masakazu Sengoku** was born in Nagano prefecture, Japan, on October 18, 1944. He received the B. E. degree in electrical engineering from Niigata University, Niigata Japan, in 1967, and the M. E. and Dr. Eng. degrees in electronic engineering from Hokkaido University in 1969 and 1972, respectively. In 1972, he joined the staff at the Department of Electronic Engineering, Hokkaido University as a Research Associate. In 1978, he was an Associate Professor at the Department Information Engineering, Niigata University, where he is presently a Professor. In 1986, he was a visiting scholar at University of California, Berkeley and University of Illinois at Chicago. His research interests include network theory, graph theory, transmission of information and mobile communications. He received the 1992 Best Paper Award from IEICE. He is currently the chairperson of the IEICE (dai-3-shu) Technical Group on Network Theory and Digital Mobile Communications. Dr. Sengoku is a member of IEEE, the Information Processing Society of Japan and the Japan Society for Industrial and Applied Mathematics.

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