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FOREWORD

Special Section on Emerging Communication Technologies in Conjunction with Main Topics of ICETC 2022

This special section presents full-length research papers on recent achievements, some of which were originally presented in ICETC 2022. Launched in 2020, ICETC is the flagship conference of the IEICE Communications Society. The conference aims to promote synergy between the various technical fields of electrical communications and to overcome the boundaries that divide them. Following two online conferences in 2020 and 2021, ICETC 2022 was held in a hybrid format of in-person and on-line. It provided a valuable opportunity for all participants to reunite the research community after the past COVID pandemic.

This section includes two invited papers and seven contributed papers from various research fields: 5G/6G technology and application, circuit design and measurement, network protocol and security.

The editorial board thanks all authors and reviewers for their contributions to this special section. We hope that this section will stimulate readers' interest and facilitate new collaborations among researchers.

Joji Maeda (Tokyo University of Science), Guest Editor-in-Chief

Joji Maeda *(Member)* was born in Tokyo, Japan, on Feb. 21, 1965. He received B.S., M.S. and Ph.D. degrees in electronic engineering from the University of Tokyo, Tokyo, Japan, in 1988, 1990 and 1996, respectively. Since 1993, he has joined the Department of Electrical Engineering, Faculty of Science and Technology, Tokyo University of Science, Chiba, Japan, where he works as a full professor. His current interests involve optical fiber transmission including analogue transmission of microwave/millimeter waves, quantum noise in photonic systems, and communication systems in cable television networks. Dr. Maeda is a member of the Institute of Electronics, Information, and Communication Engineers, the IEEE (Photonics Society and Communications Society), Optica, and the Institute of Image Information and Television Engineers.