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## FOREWORD

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### Special Section on Recent Progress in Radio Propagation

Clarification of radio propagation characteristics is essential for the development of wireless communication systems and wireless technologies, and there are various new research topics in the field of radio propagation. Radio propagation characteristics have been studied for a wide range of wireless communication systems and wireless technologies, and investigating these topics has become even more important than before. Based on this background, this special section will be publishing papers on recent progress in radio propagation.

For this section, 18 papers from Japan and other countries were submitted. After careful review process, 6 papers were accepted in this special section. Furthermore, the special section includes an invited paper on discuss of clarifying possible roles of mm-wave radio in the 5G development and performing a comprehensive literature survey on mm-wave radio channel modeling essential for the feasibility study.

The editorial committee members hope that this special section will encourage researchers and will promote future research activities in the relevant field of study. We are grateful to the IEICE Communication Society for deciding to publish the special section and for their continuous support. Finally, I would like to express my sincere appreciation to all the authors for their excellent contributions, and to the reviewers and the Editorial Committee members for their great effort to make this special section successful.

Editorial Committee Members:

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Jiro Hirokawa, Guest Editor-in-Chief

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**Jiro Hirokawa** (*Fellow*) received the B.S., M.S. and D.E. degrees in electrical and electronic engineering from Tokyo Institute of Technology (Tokyo Tech), Tokyo, Japan in 1988, 1990 and 1994, respectively. He is a Professor at Tokyo Tech from April 2015. From 1994 to 1995, he was with the antenna group of Chalmers University of Technology, Gothenburg, Sweden, as a Postdoctoral Fellow. His research area has been in slotted waveguide array antennas and millimeter-wave antennas. He received an IEEE AP-S Tokyo Chapter Young Engineer Award in 1991, a Young Engineer Award from IEICE in 1996, a Tokyo Tech Award for Challenging Research in 2003, a Young Scientists' Prize from the Minister of Education, Cultures, Sports, Science and Technology in Japan in 2005, a Best Paper Award in 2007, a Best Letter Award in 2009 from IEICE Communications Society and Asia Pacific Microwave Conference prize in 2011, 2012 and 2013. He is a Fellow of IEEE.

