
FOREWORD

Special Section on Multidisciplinary and Innovative Key technologies in Advanced communication systems (MIKA)

More than 200 researchers from various fields participated in MIKA 2018, 2019, and 2021. They actively exchanged opinions and engaged in interdisciplinary research and development discussions focusing on wireless communication technologies. Furthermore, as the next step of MIKA, we have planned a special section on the IEICE transactions and a special cluster in the IEICE letter journals. In the special section/cluster, research papers related to innovative communication network technologies, not limited to wireless communication technologies, have been widely invited by the open call from the IEICE Communications Society. One of the scopes of this special section/cluster is to publish valuable papers from such a wide range of academic and industry fields, which will lead to new seeds of technological innovation. Therefore, papers from other societies and groups are welcome.

The noteworthy feature of the special section/cluster is dealing with full papers and letters in Japanese or English. They are published in the English or Japanese editions of the IEICE Transactions on Communications and IEICE Communications Express (ComEX).

Throughout the peer review, this special section/cluster contains four invited papers, three full papers, two letters in Japanese, four invited papers, four full papers, and one letter in English.

On behalf of the editorial committee, I would like to express my sincere appreciation to all of the authors, the reviewers, and the IEICE publishing office who supported this special section/cluster.

We hope the papers published here stimulate widely future work in communication technologies.

Special Section/Cluster Editorial Committee Members

Guest Editors in IEICE Trans. Commun.:

Suguru Kameda (Hiroshima Univ.), Osamu Muta (Kyushu Univ.), Kazuki Maruta (Tokyo Univ. of Science)

Guest Editors in IEICE Trans. Commun. (JPN):

Kentaro Nishimori (Niigata Univ.), Hidehisa Shiomi (Osaka Univ.), Ryochi Kataoka (KDDI Research)

Guest Editors in IEICE Commun. Express:

Daisuke Umehara (Kyoto Inst. of Tech.), Tomoki Murakami (NTT), Nobuhiko Itoh (Nippon Inst. of Tech.)

Guest Associate Editors:

Tomotaka Kimura (Doshisha Univ.), Riichi Kudo (NTT), Sho Tsugawa (Univ. of Tsukuba), Takefumi Hiraguri (Nippon Inst. of Tech.), Daisuke Anzai (Nagoya Inst. of Tech.), Koji Ishii (Kagawa Univ.), Kenko Ota (Nippon Inst. of Tech.), Kentaro Saito (Tokyo Denki Univ.), Masato Saito (Univ. of the Ryukyus), Shigenobu Sasaki (Niigata Univ.), Takashi Satake (NTT), Kentaro Toyoda (A*STAR), Ryo Natsuaki (The Univ. of Tokyo), Yoshiaki Nishikawa (NEC), Mikio Hasegawa (Tokyo Univ. of Science), Takashi Hikage (Hokkaido Univ.), Takuya Fujihashi (Osaka Univ.), Yoshifumi Matsusaki (NHK), Takahiro Matsuda (Tokyo Metropolitan Univ.), Wataru Yamada (NTT)

Nobuyoshi Kikuma, Guest Editor-in-Chief

Nobuyoshi Kikuma (*Fellow*) received B.E. degree in electronic engineering from Nagoya Institute of Technology in 1982, and the M.E. and Ph.D. degrees in electrical engineering from Kyoto University, in 1984 and 1987, respectively. From 1987 to 1988, he was a Research Associate at Kyoto University. In 1988, he joined Nagoya Institute of Technology, where he has been a professor since 2001. His research interests include adaptive and signal processing arrays, radio source estimation, and mobile propagation analysis. He received IEICE Best Paper Award in 2006 and IEICE Educational Service Award in 2016. He served as Editor-in-Chief of Transactions on Communications (Japanese Edition) of IEICE Communications Society during 2007–2008, Vice Chair of Editorial Board of IEICE Communications Society during 2009–2010, and Editor-in-Chief of IEICE Communications Express (ComEX) and also Vice Chair of Technical Committee on Antennas and Propagation. In 2020, he served as the President of IEICE Communications Society and Chair of IEICE Tokai Section. He worked as a General Chair of MIKA2018, MIKA2019, and MIKA2021.

