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## FOREWORD

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### Special Section on Wireless Distributed Networks

In recent years variety of research works on Wireless Distributed Networks (WDN) have been reported including works on wireless multi-hop/mesh networks, coordinated cellular networks, cognitive networks, and other wireless networks where the distributed nodes cooperate each other. Despite the diverse application fields of these wireless networks, principle theories and element technologies have a lot in common, especially in spectrum sharing technology, cooperative communication technology, and radio resource management for network optimization. Further development of these technologies is indispensable for the future wireless networks. To facilitate the active discussion and to further promote research and development in these fields, this special section is planned.

In reply to call for papers, 75 papers and 27 letters were received. After fair and square review, two invited papers on the overview of WDN from the view point of flexible networking and radio resource management, and on the application of interference management techniques for future cellular systems, 27 papers and 11 letters are accepted for the publication in this section. These papers widely cover from the principle theories and element technologies to the applications of WDN. The editorial committee hopes this section will provide useful information and new ideas to those interested in WDN.

As the guest editor-in-chief, I would like to express my sincere appreciation to all the authors for their contributions and to all the editors and reviewers for their voluntary activities.

#### Special Section Editorial Committee Members

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Kazuhiro Uehara, Guest Editor-in-Chief

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**Kazuhiro Uehara** (*Senior Member*) received the B.E., M.E., and Ph.D. degrees from Tohoku University, in 1987, 1989, and 1992, respectively. In 1992, he joined Nippon Telegraph and Telephone Corporation (NTT) and was engaged in the research of array antennas, active antennas and indoor propagation in millimeter-wave and microwave frequency bands. From 1997 to 1998, he was a Visiting Associate at the Department of Electrical Engineering, California Institute of Technology, CA. From 2003, he has been a Part-time Lecturer at the Department of Electrical Engineering, Tohoku University. He is currently a Senior Research Engineer, Supervisor, Group Leader at NTT Network Innovation Laboratories, where he engages in the research and development of software defined radio and cognitive radio systems, and millimeter-wave multi-Gigabit wireless systems. He is currently serving as Chair of Technical Committee on Software Radio, IEICE Communication Society. He received the Young Engineer Award and the Excellent Paper Award from IEICE, the 1st YRP Award, and the 18th Telecom System Technology Award from the Telecommunications Advancement Foundation in 1995, 1997, 2002, and 2003 respectively. He is a senior member of IEEE.

