
FOREWORD

Special Section on Signal Design and Its Applications in Communications

Signal design plays a very important role in widespread applications in modern communications, such as spread spectrum, CDMA, MIMO channel estimation, pre-coding, OFDMA, positioning, synchronization, security, compressed sensing, etc. This special section aims to stimulating research in the areas of signal design and its various applications in communications, and to foster fruitful interactions among signal designers, coding theorists, cryptographic researchers and communications practitioners from all over the world.

The special section includes seven regular papers including an invited paper, and three letters, covering a variety of topics of signal design and its applications. These published papers were selected among 13 papers, either from free submissions or from the papers presented at the Tenth International Workshop on Signal Design and Its Applications in Communications (IWSDA'22) held in University of Essex, UK, from August 1 to 5, 2022, all with careful reviews by technical experts worldwide.

The guest editors-in-chief of this special section are grateful to all the reviewers for their dedicated efforts, all the authors for their contributions, all the members of the editorial committee listed below, for their hard work in making this special section possible, and the ESS Society of IEICE, IEEE (USA) for their consistent cooperation. Besides, we are indebted to the support of NSFC (No.62020106001).

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Tetsuya Kojima, NIT, Tokyo College, Japan

Guest Editor

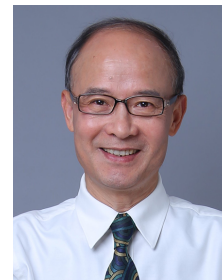
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Pingzhi Fan (*Member*) received his MSc degree from Southwest Jiaotong University (SWJTU), China, in 1987, and PhD degree from the Hull University, UK, in 1994. He is currently presidential professor of SWJTU, honorary dean of the SWJTU-Leeds Joint School. He is a recipient of the UK ORS Award (1992), the NSFC Outstanding Young Scholars (1998), IEEE VT Society Jack Neubauer Memorial Award (2018), IEEE SP Society SPL Best Paper Award (2018), IEEE ICC2023 Best Paper Award, and IEEE VT Society Best Magazine Paper Award (2023). His research interests include high mobility wireless communications, signal design & coding, etc. He is a fellow of IEEE, IET, CIE and CIC.



Tetsuya Kojima (*Senior Member*) received the B.E., M.E., and D.E. degrees in information engineering from Hokkaido University, Sapporo, Japan, in 1992, 1994 and 1997, respectively. From 1997 to 2001, he was with the Graduate School of Information Systems, the University of Electro-Communications, Tokyo, Japan as a research associate. In 2001, he joined the Department of Computer Science, National Institute of Technology, Tokyo College, Tokyo, Japan, as research associate, and is currently a professor. His research interests include the wireless communication systems, information hiding and information theory. He is a member of IEEE.

