
FOREWORD

Special Section on Information Theory and Its Applications

The special section on Information Theory and Its Applications of the IEICE Transaction on Fundamentals is devoted to new theoretical developments and techniques in information theory and its applications to real-world problems. This special section has been annually published since 1991.

Nevertheless, the 43rd Symposium on Information Theory and its Applications (SITA2020) has been canceled due to the COVID-19 pandemic (coronavirus); we received 14 submissions: 11 papers and 3 letters. Some of the submitted papers were originally presented at the 2020 International Symposium on Information Theory and its Applications (ISITA2020) held as a virtual symposium during October 24–27, 2020.

After a careful review process, the Editorial Committee selected 8 papers and 3 letters.

We categorized them into the five topics: i) Information Theory, ii) Coding Theory, iii) Cryptography and Information Security, iv) Communication Theory and Signals, and v) Neural Networks and Bioengineering.

As the Guest Editors-in-Chief, we would like to thank all authors for submitting their contributions and the reviewers for their voluntary work to keep the transaction quality high.

We are sincerely grateful to Dr. Gou Hosoya and Dr. Takayuki Nozaki, the Guest Editors, for their considerable voluntary efforts and to the other members of the Guest Editorial Committee for their collaboration and support.

Special Section Editorial Committee Members

Guest Editors:

Gou Hosoya (Waseda Univ.) and Takayuki Nozaki (Yamaguchi Univ.)

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Ken-ichi Iwata and Hiroshi Kamabe, Guest Editors-in-Chief

Ken-ichi Iwata (*Senior Member*) received the B.Ed. degree from Wakayama University in 1993, the M.Sc. degree from Japan Advanced Institute of Science and Technology in 1995, and the D.E. degree from the University of Electro-Communications in 2006. He is currently with University of Fukui, Japan.



Hiroshi Kamabe (*Senior Member*) received the B.E. and M.E. degrees from Toyo-hashi University of Technology in 1982 and 1984, respectively. He received the Ph.D. from Nagoya University in 1996. He joined Mie University in 1982 and Gifu University in 1998.

