FOREWORD

Special Section on Information and Communication System Security

Information and communication system and the security are indispensable for our daily lives. Personal computers, smartphones, Wi-Fi, and the Internet are essential for our modern network-dependent society, in which large amounts of various information are rapidly exchanged; hence, security is crucially important. In order to promote studies on security, since 2008 the technical committee on Information and Communication System Security (ICSS) organized the special section editorial committees, which were comprised of Japanese, Korean, and Taiwanese researchers. This special section is the ninth.

With regard to the Call for Papers, we received 20 submissions (16 full papers and 4 letters) from Japan, Taiwan, China, Korea (based on the affiliation of the first author). After careful reviews, nine full papers and one letter were accepted for publication. We believe that the reviewers' comments will be useful to the authors whose submissions were not selected for this special section.

We also have two invited papers. One written by Dr. Kwangjo Kim presents an overview of intrusion detection systems using deep learning and its application to Wi-Fi networks. The other written by Dr. Heung Youl Youm presents an overview of de-identification techniques and current and future directions for standardization. We believe that these invited papers contain well-classified compact overviews and are valuable and useful for understanding the state of the art of the AI (artificial intelligence) based security systems, privacy protection techniques and standardization.

Finally, on behalf of the editorial committee, I would like to express my sincere gratitude to all who submitted their valuable research results. I am also grateful to the reviewers and the editorial committee members, especially guest editors Dr. Yoshiaki Shiraishi, Dr. Akira Kanaoka, and Dr. Kuniyasu Suzaki, and all of the reviewers for their devoted efforts and contributions to the special section.

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Kazuomi Oishi (*Member*)   received the B.E. and M.E. degrees in electrical and computer engineering, and the Ph.D. degree in engineering from Yokohama National University, Japan, in 1990, 1992, and 2011, respectively, and the M.S. degree in computer science from University of California, Santa Barbara, U.S.A., in 1999. From 1992, he worked at Canon. From 2011, he worked at Yokohama National University and since 2012 he has been an Associate Professor of the Department of Computer Science, Shizuoka Institute of Science and Technology. His research interests include information security, cryptography, embedded systems, and software. He is a member of IEICE and IACR.