FOREWORD

Special Section on Enriched Multimedia —Application of Multimedia Technology and Its Security—

With the development of media processing technology and communication technology, the utilization of multimedia is becoming popular. Along with that, security technology for protecting the value of multimedia is increasingly important. Therefore, it is important to develop a secure and more efficient multimedia signal processing method.

This special section is planned to compile papers of the research works related to the topics stated above, such as protection, creation, and measurement of multimedia signals, as well as the proposal of adding new value to the legacy media. The editorial committee of this special section was based on the Enriched Multimedia (EMM) Technical Group of IEICE, which was established in 2011, aiming to promote the research works related to multimedia information hiding and other signal processing issues for enriching the multimedia information.

The editorial committee received three letters and fifteen papers including one invited paper. After the intensive review, the editorial committee has selected six papers and three letters offering high-quality and outstanding research results. In the research results, we have three papers and one letter of image processing (watermarking, security and improvement of quality), one paper and two letters of acoustic processing (watermarking and improvement of quality) and two papers of document processing (improvement of quality).

Finally, I would like to take this opportunity to thank all the contributors and reviewers for their dedicated efforts. I would especially like to thank Prof. Masaki Kawamura of Yamaguchi University and Prof. Minoru Kuribayashi of Okayama University, Guest Editors of this special section, for their excellent organization of the entire editing process.

Special Section Editorial Committee Members
Guest Editor-in-Chief: Keiichi Iwamura (Tokyo Univ. of Science)
Guest Editors: Masaki Kawamura (Yamaguchi Univ.), Minoru Kuribayashi (Okayama Univ.)
Guest Associate Editors: Naofumi Aoki (Hokkaido Univ.), Kazuhiro Kono (Kansai Univ.), Kazuhiro Kondo (Yamagata Univ.), Shigeyuki Sakazawa (OIT), Ryouichi Nishimura (NICT), Hirohisa Hioki (Kyoto Univ.), Masaaki Fujiyoshi (Tokyo Metropolitan Univ.), Maki Yoshida (NICT)

Keiichi Iwamura, Guest Editor-in-Chief

Keiichi Iwamura (*Senior Member*)   received the B.S. and M.S. degrees in Information Engineering from Kyushu University in 1980 and 1982, respectively, and the Ph.D. degree from The University of Tokyo in 1994. From 1982 to 2006, he belonged to Canon Inc. He is currently a Professor at Tokyo University of Science. His research interests include coding theory, information security and digital watermarking. He is serving as the Chair of Technical Committee on Information Hiding and its Criteria for Evaluation and that of Technical Committee on Enriched Multimedia of the Institute of Electronics, Information and Communication Engineers in Japan. He is a Fellow of Information Processing Society of Japan.