FOREWORD

Special Section on Recent Progress in Electromagnetic Theory and Its Application

The purpose of this special section is to present a collection of original papers that give an overview of recent progress of research and development in electromagnetic theory and its applications, including those related to the papers presented at the 2012 symposium on Electromagnetic Theory, held at Aso Plaza Hotel, Aso, Kumamoto, Japan on November 15–17, 2012. Presentations in this symposium were considered to be the important parts of this special section. Presentations in the International Symposiums and Meetings such as PIERS 2012- Kuala Lumpur, PIERS 2012-Moscow, PIERS 2013-Taipei, IEEE AP-S/URSI 2012, and ISAP 2012 were also considered to be the parts of this special section. In response to the call-for-papers, we received 9 papers and 7 brief papers. After careful review, 5 papers and 2 brief papers were accepted in this special section.

The accepted papers and brief papers may be categorized into 5 groups which include (1) Optical Waveguide Analysis, (2) Antenna Technologies, (3) Numerical Techniques, (4) Periodic Structures, (5) Time-domain Analysis. We hope that the readers find this special section useful in the research of the Electromagnetic Theory and its Applications. We would like to express our sincere appreciations to all the authors of contributed papers for their efforts in preparing the manuscripts and to all the reviewers for their adequate judgments and valuable comments.

We are also indebted to the editorial committee members for their dedicated efforts in organizing this special section. Especially, we would like to express our sincere thanks to Guest Editors, Professor Yoshiaki Ando of The University of Electro-Communications, and Professor Koichi Hirayama of Kitami Institute of Technology, who played important roles in the publication of this special section.

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Masahiko Nishimoto (Member) received the B.E. degree in Electronic Engineering from Kumamoto University, Japan, in 1982, and M.E. and D.E. degrees in Computer Science and Communication Engineering, from Kyushu University, Fukuoka, Japan, in 1984 and 1987, respectively. Since 1987 he has been with a department of Electrical Engineering and Computer Science, Kumamoto University, where he is currently a Professor. From 2009 to 2010, he served as IEEE AP-S Fukuoka Chapter Chair, and from May 2011 to May 2013, he served as the Chair of the Technical Committee on Electromagnetic Theory in Electronics Society of the IEICE. His research interests are in the area of radar signal processing, scattering and diffraction of electromagnetic waves, and computational electromagnetics.

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