FOREWORD

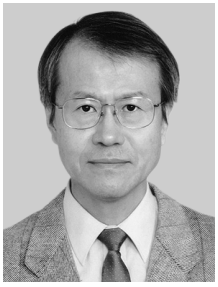
Special Section on Recent Progress in Electromagnetic Theory and Its Application

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 2010 Symposium on Electromagnetic Theory, held at Inawashiro, Fukushima, Japan on November 11–13, 2010. 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 2010-Xian, PIERS 2010-Cambridge, URSI-EMTS2010 and ISAP 2010 were also considered to be the parts of this special section. We received 15 papers and 6 brief papers, and 11 papers and 5 brief papers were accepted in this special section after careful review.

The accepted papers and brief papers may be categorized into 6 groups which include (1) Scattering and Diffraction, (2) Random Media and Rough Surfaces, (3) Periodic Structures, (4) Numerical Methods, (5) Remote Sensing and (6) Electromagnetic Compatibility. 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.

The guest editors-in-chief 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 Professor Shinichiro Ohnuki of Nihon University who played an important role in the publication of the special section.

Akira Komiyama and Masahiko Nishimoto, Guest Editors-in-Chief



Akira Komiyama *(Member)* was born in Shizuoka, Japan, on January 31, 1953. He received the B.E., M.E. and D.E. degrees in Electrical Engineering from Meiji University, Tokyo, Japan, in 1975, 1977 and 1985, respectively. Since 1986, he has been with Osaka Electro-Communication University, Neyagawa, Japan, where he is presently a Professor of the Department of Lightwave Sciences. His current research interests are in the localization and diffusion of light in waveguide systems and optical fibers allowing the direct transmission of optical images. Dr. Komiyama was the Chair of the Technical Committee on Electromagnetic Theory in Electronics Society of the Institute of Electronics, Information and Communication Engineers (IEICE) in Japan for two years starting from May 2009.

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, he is 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.