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## FOREWORD

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### Special Section on Advanced Electromagnetic Compatibility Technology in Conjunction with Main Topics of EMC'09/Kyoto

Due to the development of the advanced information society, various items of electronic equipment and information communication equipment, which employ high-speed digital techniques, are widely used in the industry and also in the home. In addition to present radio communication systems are also being developed to realize the ubiquitous network society. Against this background, the electromagnetic compatibility (EMC) technology is important not only to maintain the quality of the equipment and systems but also to assure the safety of the humans using the equipment/systems. EMC engineers in the world are therefore working in this direction. The 2009 International Symposium on Electromagnetic Compatibility (EMC'09/Kyoto), held in Kyoto in July 2009, discussed many of these related problems. This special section was planned to further promote the development of EMC technology.

In this special section, we included 3 invited papers, 22 papers, and 6 letters. The 22 papers were selected from 50 submitted papers and the 6 letters were selected from 12 submitted letters. Therefore, the percentage of papers and letters accepted was 44% and 50% respectively. As Guest Editor-in-Chief for this special section, I am very grateful to Prof. R. Koga, Prof. F. Maradei, and Prof. T. Wu who submitted their wonderful invited papers, to all of the authors who submitted their valuable papers, and to the associate editors and reviewers who made great efforts to complete the editing and reviewing process under a tight schedule.

Finally, with great regret, we announce the sudden death of one of the EMCJ advisers, Emeritus Professor Yoshifumi Amemiya of Nagoya University. He passed away on March 3, 2010 at the age of 88. We shall always remember him, not only as an eminent scientist but also as one of the great fathers who built the foundations of EMC research organization both in IEICE and IEEJ in 1977 together with Emeritus Professor Risaburo Sato of Tohoku University and the late Emeritus Professor Yasuo Akao of Nagoya University.

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Nobuo Kuwabara, Guest Editor-in-Chief

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**Nobuo Kuwabara** (*Member*) received the B.E. and M.E. degrees in electronic engineering from Shizuoka University in 1975 and 1977, respectively. He also received the D.E. degree from Shizuoka University in 1992. After it had joined NTT in 1977, he was engaged in the research of the overvoltage protection and the electromagnetic compatibility relating to the telecommunication systems. Since April, 2001, he has been a professor of Department of Electrical Engineering and Electronics, Kyushu Institute of Technology, and he continues the research of the electromagnetic compatibility. He was a chairperson of the Technical Paper Sub-Committee of EMC'09/Kyoto from 2007 to 2009, and he is a vice chairman of the IEICE Technical Committee on Electromagnetic Compatibility (EMCJ) from 2009. He is a member of the IEEE and the IEEJ.

