
FOREWORD

Special Section on Recent Progress in Microwave and Millimeter-Wave Technologies and Their Applications

China-Japan Joint Microwave Conference (CJMW) was started by Chinese and Japanese microwave scholars and researchers in 1994. It was aimed at providing an international open forum for researchers working in microwave and related areas to exchange their state-of-the-art works and new ideas. About 50 papers were presented at the first CJMW held in Dalian, China, in 1994. Since then, CJMW has been held every two years, and has experienced a steady growth in both quantity and quality. The latest CJMW2008 was held in Shanghai, on September 10–12, 2008, and 201 papers, including 6 keynote speeches, were presented.

The editorial committee planned this special section to encourage the authors of papers of CJMW2008 to submit their expanded papers for publication in IEICE Transactions on Electronics. Submissions from other authors were also widely invited, in order to publish papers covering broadly recent advances in the fields of microwave and millimeter-wave technologies and their applications.

Based on the evaluation reports by the reviewers and discussions by the editorial committee, 12 papers are finally accepted for publication in this special section, including 4 invited papers. The topics of these papers include active devices, passive circuits, antennas, wireless systems, electromagnetic theories, measurement techniques, and millimeter-wave devices and systems.

I would like to express my sincere gratitude to all the authors of the submitted papers for their contribution, the reviewers for their generous effort in reviewing the papers, and the members of the editorial committee for their devotional work which ensures the publication of this special section on schedule.

Special Section Editorial Committee

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Zhewang Ma, Guest Editor

Zhewang Ma (*Member*) received the B. Eng. and M. Eng. degrees from the University of Science and Technology of China (USTC), Hefei, China, in 1986 and 1989, respectively. In 1995, he was granted the Dr. Eng. degree from the University of Electro-Communications, Tokyo, Japan. He was a Research Assistant in 1996, in the Department of Electronic Engineering, the University of Electro-Communications, and became an Associate Professor there in 1997. From 1998 to 2008, he was an Associate Professor in the Department of Electrical and Electronic Systems, Saitama University, Japan. He was promoted Professor of the same university in 2009. From 1985 to 1989, he was engaged in research works on dielectric waveguides, resonators and leaky-wave antennas. From 1990 to 1997, he did studies on computational electromagnetics, analytical and numerical modeling of various microwave and millimeter wave transmission lines and circuits. His current research works are mainly on the development of microwave and millimeter-wave devices and circuits, measurements of dielectric materials and high temperature superconductors. He received Japanese Government Graduate Scholarship from 1991 to 1993. He was granted the URSI Young Scientist Award in 1993. From 1994 to 1996, he was a Research Fellow of the Japan Society for the Promotion of Science (JSPS). He is a member of IEEE. He has served on the Editorial Board of IEEE Transactions on Microwave Theory and Techniques, Review Board of IEEE Microwave and Wireless Components Letters, and Review Board of IEICE Transactions on Electronics, Japan. He was a member of the Steering Committee of 2002 Asia Pacific Microwave Conference (APMC2002), and a member of both the Steering Committee and Technical Committee of APMC2006.

