

Guest Editorial

THE 16th Asia–Pacific Microwave Conference (APMC'04) was held in New Delhi, India, 15–18 December 2004. As the largest international microwave conference in the Asia–Pacific region, APMC has been widely supported by microwave and wireless academia and industry. The first APMC was held in India in 1986 and subsequently held annually in various countries throughout Asia and Australasia. It has become one of the most renowned international microwave conferences along with the IEEE Microwave Theory and Techniques Society (IEEE MTT-S) International Microwave Symposium (IMS), held in North America, and the European Microwave Conference, held in Europe. For all three conferences, Special Issues are published by this TRANSACTIONS, but this is the first for APMC. As with the other international microwave conferences, an industry exhibition is held simultaneously with APMC and, thus, all three have a consistent flavor of close linkage between industrial developments and scholarly presentation.

Microwave engineering is experiencing substantial growth and much of this growth is coming from Asia and fueled by demands for wireless connectivity. Around half of the total submissions to this TRANSACTIONS come from Asia. It is clear from these submissions that many countries in Asia are developing a viable microwave industry and establishing a strong research base with unique concepts and ideas. Some of these ideas are brought together in this TRANSACTIONS' Mini-Special Issue. Authors of papers included in the conference were invited to submit manuscripts to this TRANSACTIONS. Altogether 79 submissions were received, and 12 are included here. An additional paper was accepted, but was not ready in time for production. Papers were reviewed with the same procedure as regular papers. In a departure from past years, an archival conference digest was not produced for APMC'04, but in future years, APMC should return to archival publication of conference papers.

This TRANSACTIONS maintains a web site at <http://www.mtt.org/publications/Transactions/transactions.htm> where Calls for Papers for Special Issues and links to author tools are maintained. Current Calls for Papers are as follows.

- Mini-Special Issue on Measurements for Large-Signal Characterization and Modeling of Nonlinear Analog Devices, Circuits, and Systems. Deadline for submission of manuscripts: 15 December 2005. Scheduled publication date: September 2006.

- Mini-Special Issue on the 2006 International Conference on Microwave Radar and Wireless Communications (MiKon). Deadline for submission of manuscripts: 1 June 2006; scheduled publication date: February 2007.
- Special Issue on the 35th (2005) European Microwave Conference. Deadline for submission of manuscripts: 1 October 2005; scheduled publication date: June 2006.

Upcoming Special Issues whose submission dates have passed are as follows.

- Special Issue on Ultra-Wideband. Scheduled publication date: April 2006.
- Special Issue on Microwave Photonics. Scheduled publication date: February 2006.
- Mini-Special Issue on Radio Frequency Integrated Circuits. Scheduled publication date: January 2006.
- Special Issue on the 2005 IEEE MTT-S International Microwave Symposium. Scheduled publication date: November 2005.

Recent Special Issues have been as follows.

- Special Issue on Metamaterial Structures, Phenomena, and Applications. Publication date: April 2005.
- Special Issue on Multifunctional RF Systems. Publication date: March 2005.
- Mini-Special Issue on the 2004 IEEE RFIC Symposium. Publication date: February 2005.
- Mini-Special Issue on the 2004 International Conference on Microwave Radar and Wireless Communications (MiKon). Publication date: February 2005.
- Special Issue on the 2004 IEEE MTT-S International Microwave Symposium. Publication date (in three parts): November 2004, December 2004, January 2005.
- Mini-Special Issue on Terahertz Electronics. Publication date: October 2004.
- Special Issue on Model-Order Reduction Methods for Computer-Aided Design of RF/Microwave and Mixed-Signal ICs and Systems. Publication date: September 2004.
- Mini-Special Issue on Ultra-Wideband. Publication date: September 2004.
- Special Issue on Medical Applications and Biological Effects of RF/Microwaves. Publication date: August 2004.

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