

Guest Editorial

THE 2000 IEEE Radio and Wireless Conference (RAWCON) was held in Denver, CO, on September 10–13, 2000. The conference is interdisciplinary in nature, exploring various aspects of RF and wireless technology. In 2000, approximately 250 people from 18 countries attended. The program consisted of 44 oral presentations, 23 poster presentations, a keynote address, two tutorial workshops, and two panel sessions. Four invited speakers were present. The keynote address, given by Al Javed, Vice President and Chief Technology Officer of Access Networks, was on “Technologies and Systems for Fourth Generation Mobile Wireless Systems.” The conference included a technical exhibition.

Since its inception, RAWCON has been a first-class technical symposium and, as such, it is no surprise that it has generated a set of first-class papers for this TRANSACTIONS’ Mini-Special Issue. The seven papers in this Mini-Special Issue are expanded versions of papers originally published in the RAWCON digest. They should give the reader a good sense of what can be discovered by attending the conference.

Reviewers that contributed to this Mini-Special Issue are listed below. Reviewing technical papers is a difficult and time-consuming task. We try to insure, however, that it is not a thankless one. Thus, I would like to express my gratitude to these reviewers, and recognize their substantial help in making this Mini-Special Issue a success.

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Stephen Maas (S’80–M’83–SM’89–F’93) received the B.S.E.E. and M.S.E.E. degrees in electrical engineering from the University of Pennsylvania, Philadelphia, in 1971 and 1972, respectively, and the Ph.D. degree in electrical engineering from the University of California at Los Angeles (UCLA), in 1984.

Since 1984, he has been involved in research, design, and development of low-noise and non-linear microwave circuits and systems at the National Radio Astronomy Observatory (where he designed the receivers for the very large array), Hughes Aircraft Company, TRW, the Aerospace Corporation, and the UCLA Department of Electrical Engineering. He is currently President and Principal Consultant of Nonlinear Technologies Inc., Long Beach, CA, and he recently became the Chief Technology Officer of Applied Wave Research Inc., El Segundo, CA. He authored *Microwave Mixers* (Norwood, MA: Artech House, 1986 and 1992), *Nonlinear Microwave Circuits* (Norwood, MA: Artech House, 1988), and *The RF and Microwave Circuit Design Cookbook* (Norwood, MA: Artech House, 1998).

Dr. Maas was the Editor-in-Chief of the IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES from 1990 to 1992. He was an AdCom member and publications chairman of the IEEE Microwave Theory and Techniques Society (IEEE MTT-S) from 1990 to 1993. He was the recipient of the 1989 Microwave Prize for his work on distortion in diode mixers.