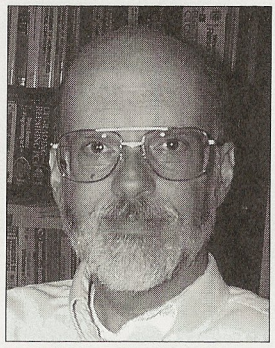
# 2002 Microwave Application Award

## Stephen Maas

The Microwave Application Award recognizes an individual or team for outstanding application of microwave theory and techniques. This year's recipient is Stephen Maas, whose citation reads **"For Proposing, Analyzing, and Demonstrating the FET Resistive Mixer".**



Stephen Maas

**Stephen Maas** received BSEE and MSEE degrees in Electrical Engineering from the University of Pennsylvania in 1971 and 1972, respectively, and a Ph. D. in Electrical Engineering from UCLA in 1984. Since then, he has been involved in research, design, and development of low-noise and nonlinear microwave circuits and systems at the National Radio Astronomy Observatory (where he designed the receivers for the Very Large Array), Hughes Aircraft Co., TRW, the Aerospace Corp., and the UCLA Department of Electrical Engineering. Subsequently he worked as an engineering consultant and founded Nonlinear Technologies, Inc., a consulting company, in 1993. Recently he became Chief Scientist of Applied Wave Research, Inc.

Dr. Maas has been a visiting professor at Helsinki University of Technology, Chalmers Institute (Goteborg, Sweden) and the Swiss Federal Technical Institute (Zürich). He has participated as an examiner in doctoral exams at those universities, as well as Ålborg University (Ålborg, Denmark.)

Dr. Maas is the author of Microwave Mixers (Artech House, 1986 and 1992), Nonlinear Microwave Circuits (Artech House, 1988; second edition in preparation), and The RF and Microwave Circuit Design Cookbook (Artech House, 1998). From 1990 until 1992 he was the editor of the IEEE Transactions on Microwave Theory and Techniques and from 1990-93 was an AdCom member and Publications Chairman of the IEEE MTT Society. He received the Microwave Prize in 1989 for his work on distortion in diode mixers. He is a Fellow of the IEEE.