



Claude M. Weil
Chairman

Welcome to the 1997 International Microwave Symposium

HIGH FREQUENCIES IN HIGH PLACES



Motohisa Kanda
Vice Chair,
Special Sessions



Roger B. Marks
Vice Chair,
Plenary Session

The three volumes of this Digest, as well as the associated CD-ROM, contain the archival record of papers presented at the 1997 IEEE MTT-S International Microwave Symposium (IMS), held at the Colorado Convention Center in Denver, CO, USA on 8-13 June 1997.

This includes papers presented at the oral sessions and Interactive Forum sessions as well as a summary of the Plenary Session. Much additional material is also to be found in Volume 1, starting with a portrait record of the 1997 Symposium Steering Committee, a group of volunteers whose dedicated efforts and very hard work made this Symposium possible. Next are shown the various subcommittees of the 1997 Technical Program Committee, another group of very dedicated volunteers charged with the difficult task of reviewing all of the IMS paper submissions and selecting from these a high-quality and comprehensive technical program (see also, this Volume: "Message from the Technical Program Co-Chairs"). This is followed by a listing of the various 1997 MTT-S awardees and other material.

At the end of Volume 1 can be found the Technical Program outlines for most of the other technical events which took place at the same time as the 1997 IMS, including the IMS Panel and Rump Sessions, the IMS Workshops, the Microwave Application and Product Seminars (μ APS), the RFIC Symposium and the 49th ARFTG Conference. The IMS Digest does not include a complete detailed record of papers presented at these events. Separate publications, such as the Workshop Notes, RFICS Digest and ARFTG Conference Digest, etc. are issued for these events. Volume 1 also includes a list of companies which participated in the Exhibition. Each of the three volumes also contains an index of authors who contributed to this Digest.

Separate instructions on the use of the CD-ROM are to be found in a small folder included in the CD-ROM case.

A review of the papers contained in this Digest and CD-ROM reveals an extraordinary record of many state-of-the-art technical advances that cover a very broad frequency spectrum into the millimeter wave region. While some of the applications of these advances are for military purposes, many more are clearly for commercial purposes. This confirms a significant shift in emphasis which has occurred in the microwave industry in recent years in successfully switching from the high-cost, low-volume environment of military applications to the new and very demanding low-cost, high-volume environment of commercial markets. This has enabled the industry, which was suffering a serious recession only four years ago, to undergo the remarkable business recovery and expansion that it is now enjoying.

We wish to thank all those who, in whatever way, participated in the 1997 IMS and helped make it a resounding success. We especially want to thank all of the authors who contributed to this Digest and CD-ROM and who presented papers at the Symposium. The Editors are greatly indebted to Don Huebner of Lockheed Martin Corporation and Joseph Donovan for their dedicated assistance and support in producing these Publications. They also wish to express their appreciation to Larry Whicker of LRW Associates, Braun-Brumfield, Inc. and Sony Electronic Publishing Services for their invaluable services in producing this Digest and CD-ROM.

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