

**IEEE 1990 MICROWAVE AND MILLIMETER-WAVE
MONOLITHIC CIRCUITS
SYMPOSIUM**
DIGEST OF PAPERS

Editor: Ho-Chung Huang

Sponsored by
THE IEEE MICROWAVE THEORY AND TECHNIQUES SOCIETY
Cooperatively Sponsored by
THE IEEE ELECTRON DEVICES SOCIETY

90CH2869-6

Copies available from:
IEEE Service Center
445 Hoes Lane
Piscataway, NJ 08854

IEEE Catalog No. 90CH2869-6
Library of Congress Catalog No. 88-640066

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limits of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through the Copyright Clearance Center, 29 Congress St., Salem, MA 01970. Instructors are permitted to photocopy isolated articles for noncommercial classroom use without fee. For other copying, reprint or republication permission, write to Director, Publishing Service, IEEE, 345 E. 47th St., New York, NY 10017. All rights reserved. Copyright © 1990 by The Institute of Electrical and Electronics Engineers, Inc.