

**1997 IEEE MTT-S
INTERNATIONAL MICROWAVE
SYMPOSIUM DIGEST**

*Symposium Steering Committee,
Technical Program Committee,
Administrative Committee,
RFIC Committees
and ARFTG Committees*



1997 Symposium Steering Committee

Steering Committee



Roger B. Marks
Vice Chairman



Claude M. Weil
Chairman



Motohisa Kanda
Vice Chairman

Technical Committee



K.C. Gupta
Co-Chairman



Zoya Popovic
Co-Chairman

Publicity



Ronald R. DeLyser
Publicity

Publications



Gerhard A. Koepf
Digest Editor



Chris Jelks
CD-ROM Editor

1997 Symposium Steering Committee

Special Sessions



Motohisa Kanda

Student Papers



Stoyan Ganchev

Workshops



Ajay Sreenivas



Donald DeGroot
Coordinator



John Meredith

μ APS



Dick Loewecke



Robert O'Rourke

Interactive Forum



John Norgard

1997 Symposium Steering Committee

Local Arrangements



Bob Seeley
Chairman



Sharon Seeley
Local Services

Chairman's Dinner



Carol Coates

Signs



Christie Whitehead

Awards Banquet



Carol Repjar

Publication Co-Editors



Joseph Donovan



Donald Huebner

1997 Symposium Steering Committee

Finance



John Dunn

Protocol



David F. Wait

Secretary



Michael D. Janezic

Registration



George Jankovic

Guest Program



Robbie Marks

Liaison



Dick Ehret
University



Dylan F. Williams
RFIC



Roger B. Marks
ARFTG

1997 Symposium Steering Committee

Exhibition



Howard Ellowitz



Harlan Howe Jr.

Member at Large



Karl R. Varian

Historical Exhibit



Dave Russell

Gifts



Richard Booton

Publicity Support



Jeffrey Jargon



George Rinard

Conference Services



Larry Whicker

1997 Technical Program Committee



Symposium Technical Group

back row: C. L.(Larry) Brockman, H. Howe, Jr., E. Niehenke, J. Wassel, G. Thoren; front row: K. C. Gupta*, R. Booton, Jr., D. Hornbuckle, E. Rezek; not shown: E. J. Crescenzi, Jr., R. Eisenhart, C. Holmes



Steering Committee

back row: R. Seeley, D. DeGroot, J. Norgard, L. Whicker
front row: J. Crescenzi, Jr., M. Kanda, Z. Popovic, C. Weil*, E. H. Ellowitz; not shown: S. Ganchev



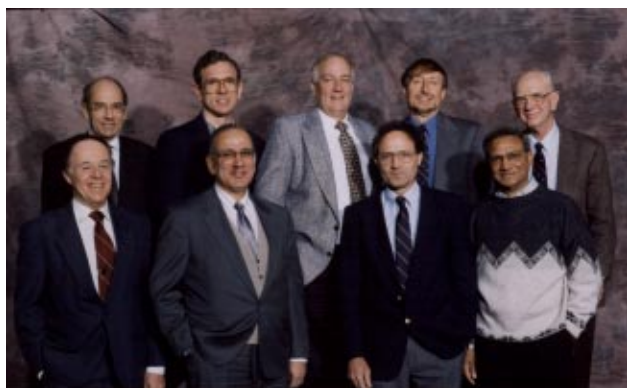
Biological Effects and Medical Applications

A. Rosen*, M. Stuchly, A. Vander Vorst;
not shown: R. Bansal, K. Carr, P. Yu



Passive Components

back row: S. Saad, M. Guglielmi, E. Denlinger, J. Taub, T. Nishikawa
front row: W.-C. Tang, L. Katehi, T. Itoh*, K. Zaki



Filters and Multiplexers

back row: P. Guillon, D. Swanson, H. C. Bell*, S. J. Fiedziuszko, G. Matthaei; front row: R. Snyder, A. Atia, A.E. Williams, C. Kudsia; not shown: R. Bonetti, Y.-C. Shih



Ferrite Components

back row: L. Davis, J. Owens, B. El-Sharawy
front row: M. Afsar, W. Hord*, V. Dunn
not shown: Denis Webb

1997 Technical Program Committee



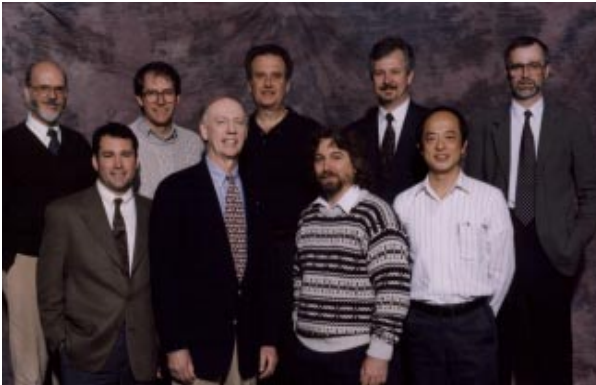
Acoustic and Surface Wave Components

back row: B. McAvoy*, K. Anemogiannis;
front row: D. Malocha, R. Weigel;
not shown: T. J. Lukaszek



Signal Gen., Frequency Conv. & Cont. Circuits

back row: M. Schindler, S. Wetenkamp, P. Staecker, M. Odyniec
front row: N. Jansen*, B. Sigmon
not shown: A.P.S. (Paul) Khanna, D. Peterson



Nonlinear Modeling and Analysis

back row: S. Maas, M. Steer, J. Bandler, M. Calcaterra,
C. Snowden; front row: S. Kenney, W. Curtice*, M. Golio,
J. Hwang; not shown: R. Pucel



Transistor Power Amplification

back row: J. Heaton, T. Cisco, A. Platzker, L. Kushner
front row: K. Ikossi-Anastasiou, H. J. Kuno*, J. Degenford
not shown: J. Eisenberg



High Power Sources & Control Components

D. Reid, J. Goel*, S. Stitzer
not shown: E. Griffin, F. Sechi



Low Noise and Special Function Amplifiers

back row: M. Gupta, M. Pospieszalski
front row: E. Rezek, S. Weinreb
not shown: J. Whelehan*, S. Cripps, H. Morkner, H. Okean

1997 Technical Program Committee



Advanced Hybrid Technology

back row: J. Pierro, G. Brehm
front row: J. Modelski, C. Buntschuh
not shown: Z. Galani, F. Sullivan*



Monolithic Technology

back row: E. Cohen, S. Bharj, Z. Bardai, N. Camilleri
front row: H.A. Hung, R. Kagiwada, R. Sudbury*, M. Cohn
not shown: I. Bahl, V. Gelnovatch, C. Huang, G. Jerinic,
E. Switzer, C. Yuen



Millimeter & Submillimeter Wave Technology

back row: P. Asbeck, J. W. Dees, A. Riddle
front row: M. Matloubian, K. Agarwal*, P. Smith
not shown: M. Frerking, A. Jelenski, J. Wiltse



Field Theory

back row: R. Trew, R. Sorrentino, A. Beyer
front row: J. Mink*, F. Arndt
not shown: V. F. Hanna, C. Nguyen, F. Schwing



EM Analytical and Numerical Techniques

back row: W. Hoefer, H.-Y. Yang, P. Russer, R. Vahldieck
front row: A. Cangellaris, N. Alexopoulos*, K. Naishadham
not shown: A.M.K. Saad, J. Vrba



CAD Procedures, Techniques and Modeling

back row: A. Sharma, M. Abouzahra, S. Pritchett, M. Mongiardo
front row: I. Wolff, V. Tripathi*, R. Goyal, R. Biernacki
not shown: R. H. Jansen, B. Perlman

* Chairperson

1997 Technical Program Committee



Guided Waves and Propagation Techniques

back row: M. Dydyk, T. Sarkar, P. Lampariello, K. Wu
front row: S. El-Ghazaly, N. Das, A. Oliner*, A. Omar
not shown: S.-T. Peng, T. Yoneyama



Measurement Theory and Techniques

back row: Z. Skvor, S. Adam, J. Barr, D. Wait
front row: M. Solomon, R. Ham, R. Marks, R. Pollard



Microwave and Communications Systems

back row: J.K. McKinney, D. McQuiddy, Jr., G. Heiter, D. Meharry; front row: E. Camargo, C. Mahle, K. Breuer*, A. Katz, R. Ranson; not shown: K. Bhasin



Vehicular Technology

back row: R. Sparks*, R. Henning
front row: L. Raffaelli, R. Dixit
not shown: E. Sobolewski, B. Spielman, J. Woll



Wireless Technology

back row: J. Bellantoni, R. Gupta, J. Sevic, V. Nair
front row: F. Ali, B. Geller*, J. Horton, W. Ou



Phased Arrays

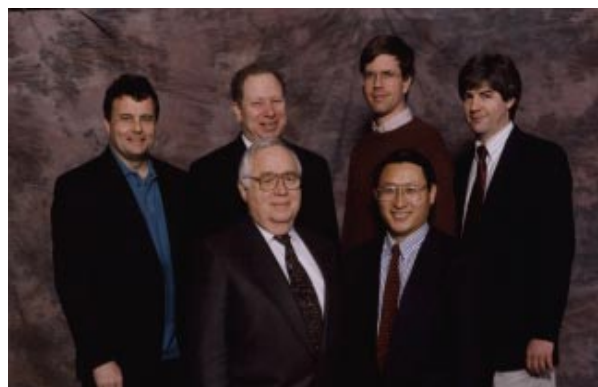
back row: A. Truitt, M. Thursby, D. Parker, J. D. Adams
front row: G. Hopkins, K. Tomiyasu, D. Zimmermann*

1997 Technical Program Committee



Lightwave Technology and Techniques

back row: A. Paoletta, D. Jager, A. Seeds, A. Gopinath
front row: H. Sobol, N. Dietrich*, C. Gee, P. Herczfeld
not shown: R. Knerr, Chi Lee, H. Ogawa



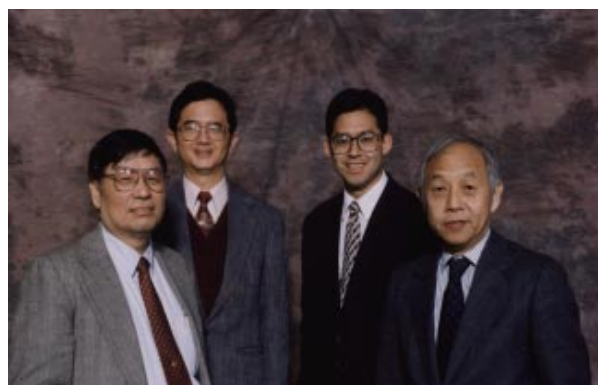
Superconductivity Technology

back row: G. Hey-Shipton, A. Fathy, J. Pond, W. G. Lyons
front row: M. Nisenoff*, G.-C. Liang



Manufacturing, Production and Packaging

back row: T. Kemerley, J. Wooldridge, M. Harris, J. Laskar
front row: D. Williams, R. Sturdivant*, K. Wong;
not shown: D. Dodson, J. Pavio



Digital Microwave Circuits

back row: C. Chang*, J. Tsui
front row: K.-C. Wang, A. Oki
not shown: R. Inkol, S. Kaiser



Active and Quasi-Optic Arrays

D. Rutledge, A. Mortazawi*, Z. Popovic, K. Mizuno
not shown: L. Dunleavy, J. Harvey

1997 IEEE MTT-S Administrative Committee

Vice President



Roger D. Pollard

President



R.E. "Skip" Bryan

Treasurer



Ed A. Rezek

Elected ADCOM Members

1997	1998	1999
S. Jerry Fiedziuszko	Roger D. Pollard	John T. Barr, IV
Rolf H. Jansen	Jung-Woong Ra	K.C. Gupta
Robert T. Kemerley	E.A. Rezek	Charles M. Jackson
Daniel G. Swanson	Roger Sudbury	J.K. McKinney
John W. Wassel	Glenn R. Thoren	Manfred J. Schindler
E. Yamashita	Robert J. Trew	K.R. Varian



IEEE MTT-S Elected Administrative Committee Members



1997
 Tim Kemerley S. Jerry Fiedziuszko
 R.E. "Skip" Bryan Daniel G. Swanson
 missing: Rolf H. Jansen, John W. Wassel, E. Yamashita



1998
 back row: Roger Sudbury, Glenn Thoren, Robert J. Trew
 front row: Ed Rezek, Roger E. Pollard, Jung-Woong Ra



1999
 back row: Manfred J. Schindler, J.K. McKinney, Karl R. Varian;
 front row: K.C. Gupta, John T. Barr IV, Charles M. Jackson

Immediate Past Presidents

1996 John W. Wassel
 1995 Eliot D. Cohen
 1994 E. James Crescenzi, Jr.

Honorary Life Members

A. C. Beck	Tatsuo Itoh	Arthur A. Oliner	Kiyo Tomiyasu
Seymour B. Cohn	Theodore S. Saad	Leo Young	

1997 RFIC Committees



Louis Liu
Chairman



Vijay Nair
Co-Chairman

Steering Committee

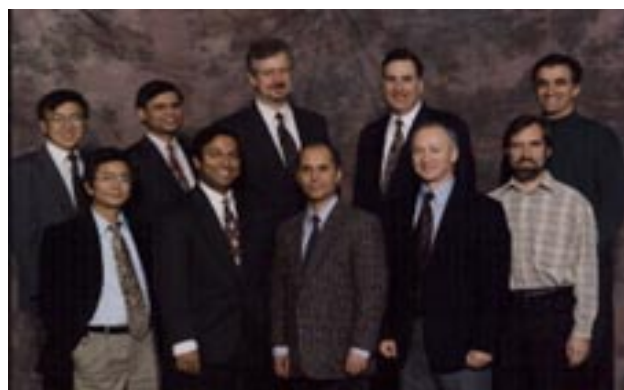


back row: I. Bahl, J. Schellenberg, E. Cohen, M. Calcaterra, E. Strid, H.-C. Huang, D. Williams
front row: R. Kagiwada, F. Ali, V. Nair, L. Liu, C. Kermarrec, M. Kumar, T. Tokumitsu

Technical Program Committee



back row: J. Moniz, S. Heinen, D. Lovelace, J. Schellenberg, E. Strid
front row: M. Kumar, R. Kagiwada, V. Nair, H.-C. Huang, I. Bahl



back row: L. Liu, J. Mandal, M. Calcaterra, E. Cohen, S. Kiaei
front row: T. Tokumitsu, F. Ali, M. Madihian, A. Adar, C. Kermarrec

49th ARFTG Conference Steering Committee



Roger B. Marks
Conference Chair



Gary D. Alley
Technical Program Chair



Michael Fennelly
Exhibits Chair



Edward Godshalk
Publications



William Pastori
Finance



Raymond W. Tucker Jr.
Registration



Dylan F. Williams
ARFTG/IMS Joint Session



Henry A. Burger
Executive Secretary

Executive Committee:

Kevin Kerwin, President
Ken Wong, Vice-President
William Pastori, Finance
Patrick Nolan, Secretary
Henry Burger, Executive Secretary

Harmon Banning, Publicity Chair
Lawrence P. Dunleavy, Education
Michael Fennelly, Exhibits
Edward Godshalk, Publications
Roger Judish, Standards

Roger Marks, Technical Chair
Gary Simpson, Awards
Raymond W. Tucker Jr.,
Membership