

1992 Symposium Steering Committee



Jerry Hausner
Chairman

TECHNICAL PROGRAM



Robert Hutchins
Chairman



Robert Antinone
Vice-Chairman



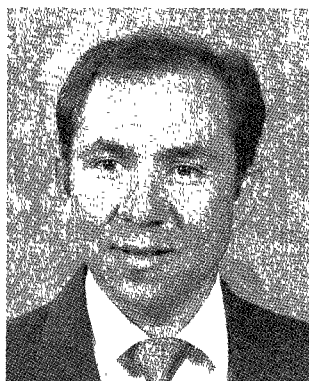
Edl Schamiloglu

Not Pictured: Marvin Morris and Edmund Miller

LOCAL ARRANGEMENTS



Dennis Martin
Chairman



Marcelino Armendariz



Peggy Baremore



Jim Crain

Not Pictured: Stan Messier, Norm Pedilla and Angelo Domina

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PUBLICATIONS

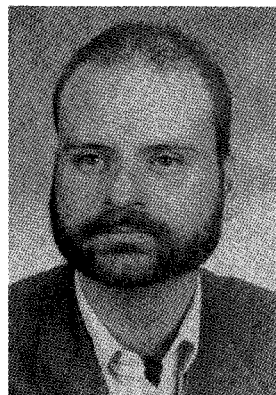


Don Reid
Chairman



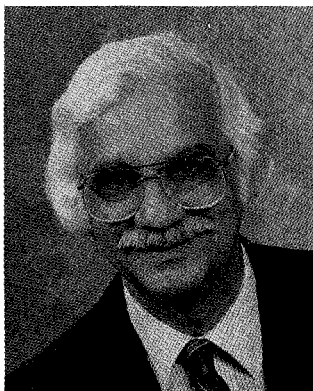
Amy Regan

STUDENT PROGRAM



John Gahl

SPECIAL SESSIONS



Shyam Gurbaxani
Not Pictured: Robert Torres



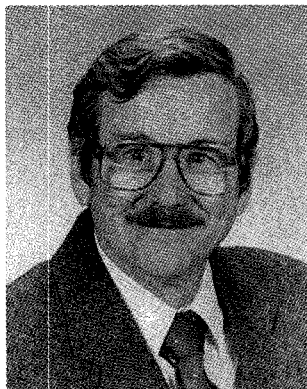
Robert Gardner
Co-Chair Person



Mary Dyson
Co-Chair Person

SPECIAL EVENTS

SPOUSE'S PROGRAM



Robert O'Nan
Co-Chair Person

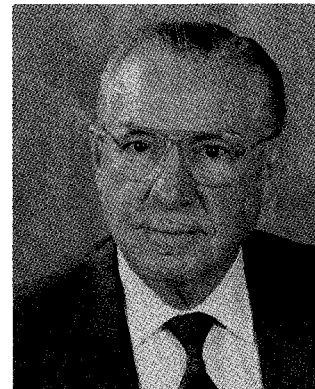


Wanda O'Nan
Co-Chair Person

LIAISON



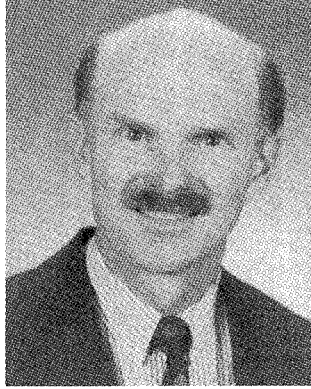
Lee Ten Haken
ARFTG



Chester Lytle
Historical Exhibit

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TRANSPORTATION



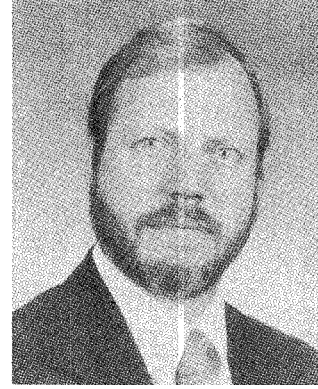
Michael Harrison

CHIEF OF PROTOCOL



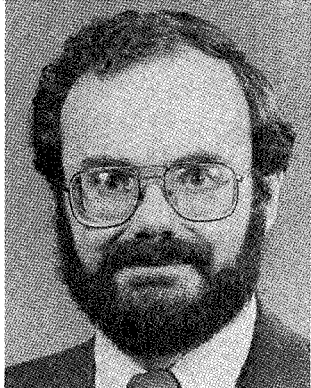
Helene Hausner

FINANCE

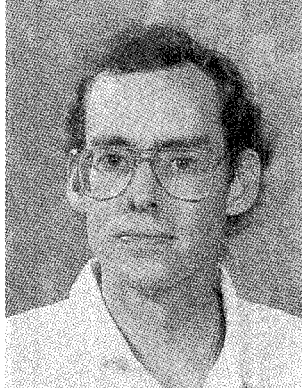


Steve West
Chairman
Not Pictured: Phil Castillo

PUBLICITY

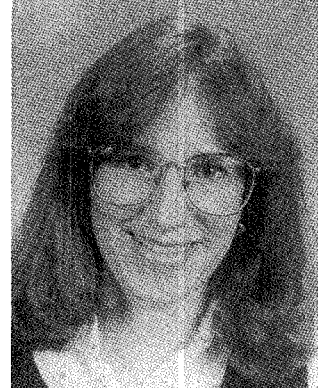


Everett Farr
Chairman



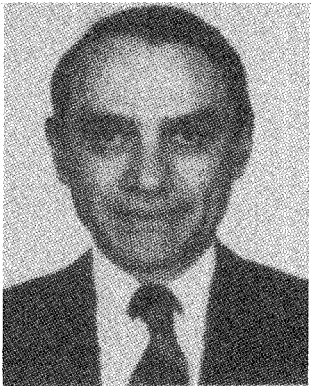
Hugh Pohle

REGISTRATION



Tammy Ferguson
Chairwoman

EXHIBITS

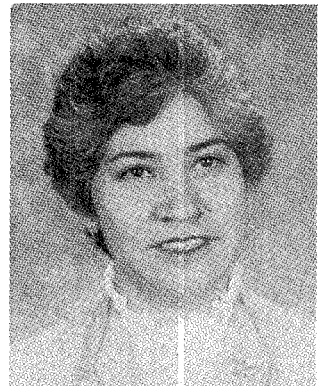


Howard Ellowitz
Manager

SYMPOSIUM



Larry Whicker
Production Assistance

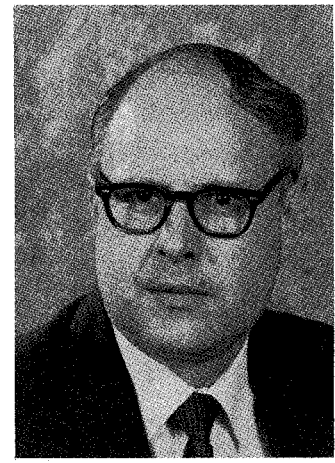


Carmen Khodaie
Administrator



Bob Hutchins

MESSAGE **from the** **Technical Program** **Committee Chairman** **and Vice-Chairman**



Bob Antinone

The Technical Program Committee (TPC) reviewed 646 papers including 313 from the U.S. and 333 from 27 other countries. This input represents a truly international response. We chose a record number of 359 for presentation. Because of this record number of presentations, we increased the number of parallel sessions from 4 to 5 during part of the program as well as the total number of sessions relative to that used in previous years. The distribution of papers included 139 Long (20 minute), 124 Short (10 minutes) and 105 Interactive Forum presentations. We made a special effort to increase the quality and quantity of presentations in the Interactive Forum.

We have organized several sessions that highlight new microwave applications as well as microwave applications supported by various laboratories in New Mexico. Our local interest sessions include radio astronomy, very high power microwave sources and impulse or ultra-wideband radar technology. Other special sessions are devoted to microwaves for vehicle communications and control, millimeter wave technology, sub-millimeter wave technology, and monolithic thin film resonators on MMIC structures.

Our plenary session speaker is Professor Roald Sagdeev, former head of IKI (Russian equivalent of NASA) and present Distinguished Professor at the University of Maryland who will speak on the new and changing trends in research and development.

Fourteen workshops are scheduled including 10 full-day and 4 half-day sessions. The topics span both traditional subjects as well as new technologies such as superconductivity and high power photoconductive switches. A special workshop will present microwave technology used in radio astronomy. This session will be hosted by the staff of the Very Large Array located about a two hour drive from Albuquerque.

Six lunch time panel sessions are planned to provide a less formal forum on key topics such as MMIC, process technology and future commercial applications in vehicle control and communication. The special panel session addresses technology transfer from government funded research to commercial applications. This panel will have the leaders of key laboratories, industries and government organizations involved in this process.

Finally we are trying a new communication forum with three evening "rump sessions" where one can discuss the selected topics with experts in an informal setting with beverages and snacks.

This year, both the students and our invited European speakers will have their papers presented in the technical session appropriate to their topic. Each student paper presentation will be reviewed at the conference for the student paper awards. The invited European speakers will make their presentations in sessions P and V.

We hope that the 1992 MTT-S International Symposium in Albuquerque is useful and relevant to your special needs and interests. Any success we may have is due to many individuals who we wish to thank and acknowledge, here. First we recognize the authors who contributed their time preparing material for the conference. For those, who we could not accept, we hope you understand the time and space limits that we have. Next we thank the reviews who gave us one or more weekends to select the papers that you will see. We also thank: Shyam Gurbaxani who organized our special sessions, panels and workshops; Edl Schamiloglu who set up the interactive Forum; Ed Miller who provided general guidance and who will edit the MTT Transactions Special Edition; Marv Morris who conducted special planning; John Gahl who organized the student papers; and Roberto Sorrentino who coordinated the European speakers.

Technical Program Committee



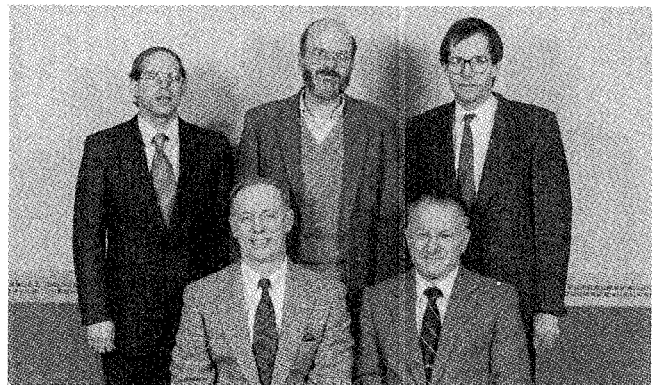
Group A
 Front: J. Hausner, R.J. Antinone, R.L. Hutchins,
 P.W. Staecker, M.J. Dyson
 Back: J.M. Gahl, J.W. Wassel, R.L. Eisenhart,
 G.R. Harrison, D.J. Masse, G.R. Thoren, D.C. Martin



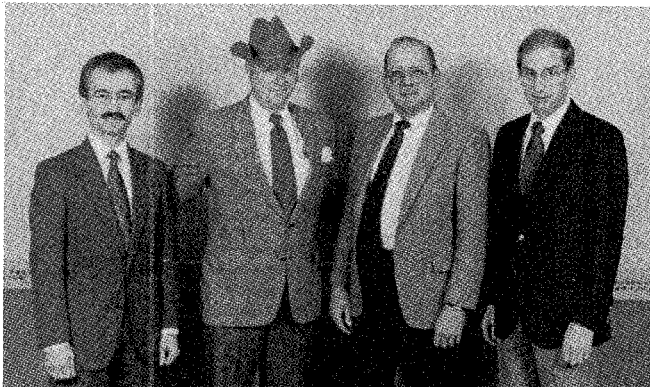
Group B
 A. Vander Vorst, A. Rosen



Group C
 Front: D. Swanson, B.S. Perlman, K.C. Gupta, J. Rautio
 Back: E.K. Miller, R.H. Jansen, W.H. Childs,
 S. El-Ghazaly



Group D
 Front: W.R. Curtice, R.A. Pucel
 Back: C.M. Krowne, S.A. Maas, M.B. Steer



Group E
 B. Bayraktaroglu, J.F. White, C.T. Rucker,
 D.F. Perterson



Group F
 Front: J.E. Degenford, H.J. Kuno
 Back: E.J. Crescenzi, Jr., E.C. Niehenke,
 W.R. Wisseman

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Group G
 Front: F. Ivanek, B.D. Geller, D.N. McQuiddy
 Back: R.W. Laton, K.D. Breuer, J.B. Horton,
 G.L. Heiter



Group H
 Front: A. Ballato, J.M. Owens, R.L. Miller
 Back: D.C. Malocha, B.R. McAvoy, C.R. Boyd,
 R.A. Moore, W.E. Hord



Group I
 Front: C. Kudsia, R.V. Snyder
 Back: R. Bonetti, H.C. Bell, S.J. Fiedziuszko



Group J
 Front: G.L. Matthaei, T. Itoh
 Back: A.E. Atia, K.A. Zaki, L.P.B. Katehi,
 H.L. Thal, Jr.



Group K
 Front: S.M. Petty, J.J. Whelehan-
 Back: M.W. Pospieszalski, M.S. Gupta, J.B.Y. Tsui



Group L
 Front: E.J. Denlinger, C.D. Buntschuh, R.E. Lehmann
 Back: A.S. Khanna, M.A. Ciminera, H.G. Howe,
 J.A. Pierro

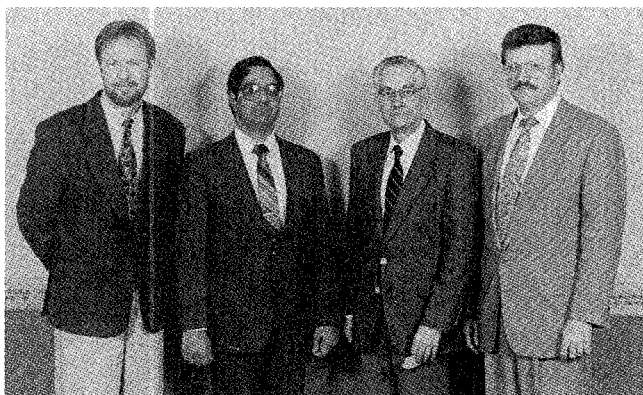
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Group M
 Front: J.J. Taub, J.C. Wiltse, M.N. Afsar
 Back: F.J. Sullivan, K.K. Agarwal, H.R. Fetterman,
 M. Matloubian



Group N
 Front: J.W. Mink, W.J.R. Hoefer
 Back: R. Sorrentino, P. Russer, N.G. Alexopoulos



Group O
 R. Vahldieck, A.K. Sharma, A.A. Oliner, M. Dydyk



Group P
 D.C. Zimmermann, D.B. Rutledge, R.A. Sparks,
 K. Tomiyasu



Group Q
 Front: J. Goel, D.W. Reid
 Back: R.B. Miller, E. Schamiloglu, F.A. Sechi,
 L.J. Kushner



Group R
 Front: J.T. Barr, S.F. Adam, R.E. Ham
 Back: R.D. Pollard, H.M. Cronson, D.F. Wait,
 M.A. Maury, Jr.

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Group S
D.R. Green, B.L. Berson



Group T
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Back: A.E. Fathy, C.M. Jackson, J.M. Pond,
K.B. Bhasin



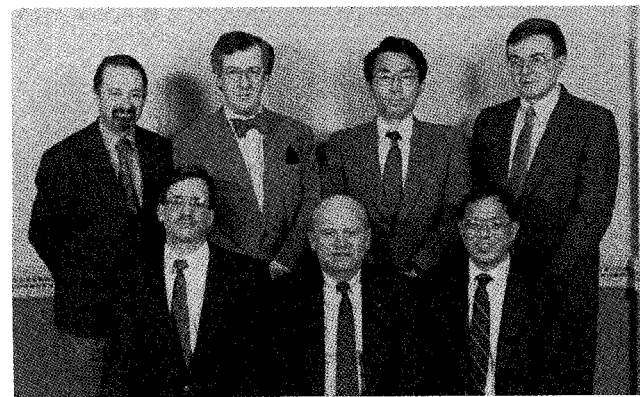
Group U(1)
Front: G. Jerinic, K. Honjo, H.L. Hung, N. Camilleri,
L.C.T. Liu, E.A. Rezek
Back: E.D. Cohen, T.A. Midford, J.M. Schellenberg,
J.A. Windyka, Y.C. Shih, S.S. Bharj



Group U(2)
Front: W.C. Niehaus, S.B. Moghe, M. Cohn, E.W. Strid
Back: V.E. Peterson, R.S. Kagiwada, D.P. Hornbuckle,
M. Kumar, I.J. Bahl



Group U(3)
Front: H. Huang, R.W. Sudbury, Y. Tajima, C. Huang
Back: A. Chu, D. Dawson, V. Sokolov, W. Peterson,
J.G. Oakes



Group V
Front: P.J. Stabile, N.R. Dietrich, C.H. Lee
Back: P.R. Herczfeld, A.J. Seeds, H. Ogawa,
R.H. Knerr

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PresidentReynold S. Kagiwada
 Vice PresidentPete Staecker
 TreasurerR.E. (Skip) Bryan
 SecretaryEdward Rezek

Elected ADCOM Members

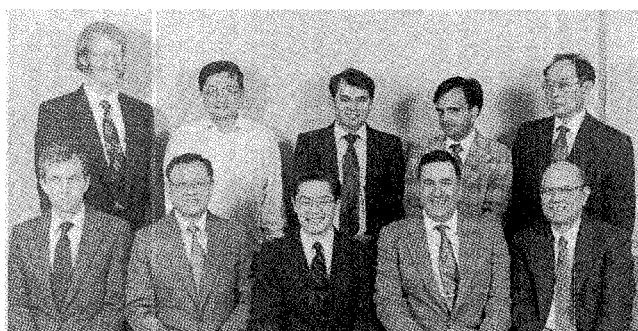
Krishna K. Agarwal	Rolf H. Jansen	Barry S. Perlman	J.W. Wassel
R.E. (Skip) Bryan	Reynold S. Kagiwada	Jorg E. Raue	James C. Wiltse
Eliot D. Cohen	Stephen A. Maas	Peter W. Staecker	E. Yamashita
E. James Crescenzi, Jr.	Mario A. Maury, Jr.	Daniel G. Swanson	
Zvi Galani	Robert A. Moore	Steven J. Temple	

Immediate Past Presidents

1991Ferdo Ivanek
 1990Tatsuo Itoh
 1989Vladimir G. Gelnovatch

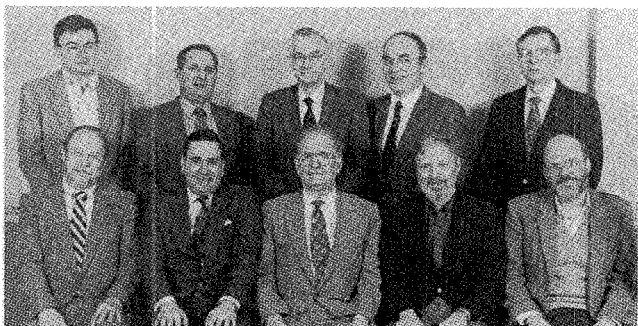
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A. C. Beck	Arthur A. Oliner	Kiyo Tomiyasu
Seymour B. Cohn	Theodore S. Saad	Leo Young



MMIC Steering Committee

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 R.W. Sudbury
 Back: E. Strid, C. Huang, S.B. Moghe, M. Kumar,
 R.S. Kagiwada



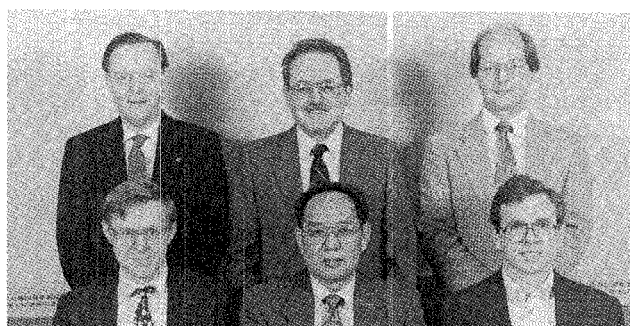
Adcom(2)

Front: J.W. Wassel, E.D. Cohen, R.A. Moore,
 F.J. Rosenbaum, S.A. Maas
 Back: R.H. Knerr, B.S. Perlman, A.A. Oliner,
 E.J. Crescenzi, Jr., J.C. Wiltse



Adcom(1)

Front: R.A. Sparks, L.R. Whicker, S.J. Temple,
 S.F. Adam, D.N. McQuiddy
 Back: R.E. Bryan, K.K. Agarwal, T.S. Saad,
 K. Tomiyasu, T. Itoh



Adcom(3)

Front: P.W. Staecker, R.S. Kagiwada, D.G. Swanson
 Back: F. Ivanek, M.A. Maury, Jr., E.A. Rezek