

# **WELCOME TO THE 1982 INTERNATIONAL MICROWAVE SYMPOSIUM!**

On behalf of the Steering Committee, I welcome you to the 1982 IEEE MTT-S International Microwave Symposium. The Dallas Chapter of the MTT Society hosted the 1969 Symposium and is proud to again serve as host for 1982.

The theme for this year's Symposium is "Thirty Years of Microwaves" in recognition of the historic inauguration of the Microwave Theory and Techniques Society. Our Keynote Session on Tuesday morning has been organized to support this theme, featuring two reviews of the past. These will be presented by Mr. Theodore S. Saad, MTT Society Historian and President of Sage Laboratories and by Dr. Huang Hung-Chia, Chairman of the Society of Microwaves, Chinese Institute of Electronics, People's Republic of China. Finally, Dr. Leo Young, speaking from his vantage point as Director of Research and Technical Information in the Office of the Undersecretary of Defense for Research and Engineering, will attempt a forecast of the future for microwaves.



The technical program, consisting of 162 selected papers and five invited presentations, will begin after the plenary Keynote Session. In order to accommodate the large number of accepted papers, the Technical Program Committee has arranged the eighteen "full-length" sessions and seven "half-length" sessions so that four simultaneous sessions are scheduled each morning and afternoon. The sessions have been structured so that the areas of overlapping interests will be minimized.

The Technical Program Committee has also planned four panel sessions for the evenings. These discussions will cover the following subjects:

- Monolithic Versus Miniature Hybrid MICs (June 15)
- Applications and Tradeoffs in Low Noise Technology (June 15)
- Technology Application for Microwave Landing Systems (June 17)
- Monolithic Millimeter-Wave Integrated Circuits (June 17)

Three workshops have been arranged to be held in conjunction with the Symposium. The subjects to be discussed this year are:

- Advances in Optical Communications (June 14)
- Medical Application's of Electromagnetic Energy (June 15)
- Automatic RF Techniques (June 18 and June 19)

Friday also marks the Inauguration of a new MTT-S sponsored symposium, the IEEE Microwave and Millimeter-Wave Monolithic Circuits Symposium.

In keeping with the Symposium theme, the Awards Banquet, Wednesday evening, will honor the past Chairmen and Presidents of the MTT Administrative Committee. You are invited to attend the exhibitors' cocktail party preceding the banquet.

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The following people will be honored at the Awards Banquet for their contributions to the microwave field:

- Microwave Career Awards—Dr. Akio Matsumoto  
Dr. Arthur A. Oliner
- Microwave Applications Award—Dr. Charles R. Boyd, Jr.
- Microwave Prize—Mr. Kunikatsu Kobayashi  
Dr. Yoshiaki Nemoto  
Dr. Risaburo Sato
- National Lecturer's Award—Dr. Ferdo Ivanek
- We will also be honoring our newly elected MTT-S Fellows of the IEEE.

The Awards Banquet will conclude with a delightful presentation by "Riders in the Sky" featuring western swing, old cowboy ballads, and innovative cowboy sketches.

Complementing the Symposium technical events, over 160 exhibitors have reserved space in the Colonnade Exhibit area and the Regency Ballroom to display the latest state-of-the-art in microwave hardware. As in recent years, Horizon House is organizing and managing the exhibition.

The MTT-S Historical Exhibit has been given special emphasis this year and is located adjacent to the technical program meeting rooms on the main concourse. Hardware artifacts, photographs, books, and other memorabilia are on display.

Dallas offers art, cuisine, entertainment, fashion and sports plus a traditional Southwestern hospitality unique among cities of the world. The Social Program features daily tours to highlight interesting areas of Dallas and Fort Worth. A free continental breakfast is available to tour participants.

The planning for this Symposium was initiated in 1977. During the past five years many manhours of labor have been donated by Steering Committee members. I sincerely appreciate the contributions they have made.

D. N. McQuiddy, Jr.  
Chairman, 1982 MTT-S Symposium  
Steering Committee