

# WELCOME

It gives me great pleasure to welcome you to Los Angeles. I am sure you will enjoy your stay at the beautiful Bonaventure Hotel. The Technical Program Committee has put together a program that is both stimulating and challenging. I would appreciate your comments on either the program or the accommodations.

This year our symposium is being held jointly with AP-S/URSI. The conference will overlap on Wednesday, June 17.

A plenary session joint with AP-S and URSI has been arranged for Wednesday morning. Four authorities in their respective fields will present invited papers on topics of common interest to all three societies. Dr. Peter Napier will report on the Very Large Array at the National Radio Astronomy observatory in Socorro, New Mexico. Professor O. P. Ghandi will review the present knowledge of biological effects of microwave radiation with an emphasis on medical applications. Mr. Sy Okwit will discuss the origin of noise in receivers and its effect on system performance. Dr. E. C. Stone will describe the recent voyager mission to Saturn.

The Wednesday afternoon sessions of contributed papers will also be joint with AP-S and URSI. Anyone registered for the Microwave Symposium can attend the AP-S and URSI organized sessions and vice versa. MTT-S has scheduled two sessions for Wednesday afternoon; one is on microwave and millimeter wave systems and the other on phased and active array techniques. AP-S has organized a session on printed circuit antennas and another on adaptive antennas. In addition a memorial session on open guided wave structures has been planned for Wednesday afternoon in honor of George Goubau, a pioneer in this area.

The regular technical meeting will consist of four parallel sessions, presenting 160 papers (60 from outside the USA). In addition there will be panel sessions on:

- Status and Trends in Fiber Communications
- Microwave Devices Technology Transfer from Research and Development to Manufacturing
- State-of-the-Art of Millimeter/Sub-Millimeter Wave Receivers
- Manpower Problems in Microwave and in Antenna Engineering
- Impact of GaAs ICs on Microwave Systems

Workshops have been scheduled on the following subjects:

- Automatic Radio Frequency Measurements
- Advanced Computer Aided Design Techniques for the 1980's
- Power GaAs FET's

One of the important events of the symposium is the Awards Banquet. This year awards will be presented to the following:

- Microwave Career Award — Dr. Kiyo Tomiyasu
- Microwave Applications Award — Dr. Julius Lange
- Microwave Prize — Dr. Hatsuaki Fukui

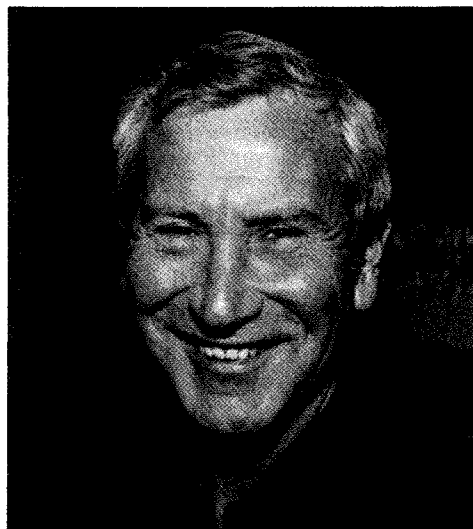
We will also be honoring our newly elected MTT-S Fellows of the IEEE.

Our banquet speaker is Dr. Irving S. Bengelsdorf, who will discuss recent advances in how the brain works.

This year our exhibition is the biggest ever. Over 150 exhibitors will be present to discuss with you the latest state-of-the-art in hardware and software. You will have a unique opportunity to discuss these products with experts of the companies represented.

We have planned a busy time for you, but we have not forgotten the spouses. A variety of tours are planned that will help you to understand Los Angeles, its art, its places, its industries.

Finally, a thanks to my Steering Committee, whose hard work made it all come together.



Alvin Clavin  
Chairman, 1981 MTT-S Symposium  
Steering Committee