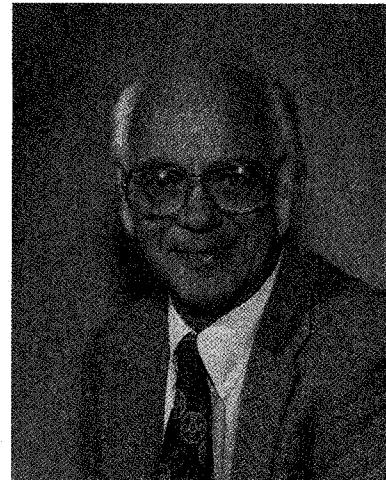


# WELCOME to The 1988 International Microwave Symposium

## Microwaves—Past, Present, and Future



Charles Buntschuh

The Steering Committee wishes you all a hearty welcome to the 1988 MTT-S International Microwave Symposium. We know you will find the outstanding technical program, industry exhibits and social events of Microwave Week a rewarding and memorable experience. Also be sure to find time to sample and enjoy some of the excitement of New York City.

We will be honoring "Microwaves—Past" by observing the centennial of Heinrich Hertz's experimental verification of Maxwell's theory at RF frequencies. We have been most fortunate in obtaining a remarkable exhibit of Hertz's laboratory apparatus, loaned to us by the Science Museum of London, and made possible by the generous support of 28 industry sponsors, the IEEE, and the MTT Society. The technical program will also feature a special historical session with papers on Hertz and the history of electromagnetics.

The technical programs of Microwave Week are testimony to the vitality of "Microwaves—Present". The International Microwave Symposium consists of 214 papers, from 10 countries, including 27 invited papers. To accommodate this record number of papers, we have, for the first time, four parallel sessions. Also, there will be almost 50 papers presented in two Open Forum Sessions, which continue to grow in popularity. The Monolithic Symposium has a record 35 papers, including 12 presented jointly with the Microwave Symposium.

Eight workshops, five lunchtime panel sessions, and the 31st Automatic RF Techniques Group Meeting round out a full and busy week.

Frank Brand will give us a glimpse into "Microwaves—Future" in his keynote address, "Tomorrow's Microwave Technology", at the Opening Ceremony. On the technical program, sessions on lightwave technology and a workshop and session on microwave superconductivity will also give us interesting insights into the future.

Looking ahead in yet another way, we have invited a number of top high school students from the New York area to a special program to introduce them to engineering as a career.

The social program includes the Monolithic Symposium Reception, the Microwave Journal Reception, the Industry-Hosted Cocktail Party, and the annual Awards Banquet. At the Banquet we will honor individuals for outstanding contributions to microwave engineering and the new MTT-S IEEE Fellows. I am especially pleased to note that four of these Fellows are members of the LI/NY Chapter and serve on the Symposium Steering Committee. Following the awards, we'll be treated to a mini Broadway Revue by the talented *Curtain Up* troupe.

The attractions of New York are too numerous to mention. The Guest's Program offers a variety of fascinating tours, and you received a pocket visitor's guide with this Digest. Find time—make time—to get out and do the town and enjoy the Big Apple. Nothing would please the Steering Committee more than to have you want to celebrate another Microwave Week in New York.

Charles Buntschuh  
Steering Committee Chairman  
1988 International Microwave Symposium



Aerial view of Long Island, photograph used for the 1964 MTT-S Symposium Digest Cover. The photograph shows entire 117 mile length of Long Island from Brooklyn, in the foreground, to Montauk Point at the extreme east end.