

PREFACE

The NASA Propagation Experimenters (NAPEX) meeting is a forum convened each year to discuss studies supported by the NASA Propagation Program. The reports delivered at this meeting by program managers and investigators present our recent activities and future plans. Representatives from U.S. industry and organizations (domestic and international) who have an interest in radio wave propagation studies are invited to NAPEX meetings for discussions and information exchanges. This Proceedings records the content of NAPEX XIX and the ACTS Propagation Studies Workshop VII (APSW VII) that followed it.

The objective of the NASA Propagation Program is to enable new satellite communication applications. This objective is achieved by supporting propagation studies and experiments that meet the needs of the satellite communication community. In fact, such studies are planned with input from industry. The experiments are conducted mainly by universities.

NAPEX XIX took place at The University Club at Colorado State University, Fort Collins, Colorado, on June 14, 1995. I would like to express my sincere gratitude to our local host, Professor Bringi, his staff, and his student, John Beaver, for dealing with the local logistics of the meeting. Also, to their credit, we had a very interesting tour of the ACTS propagation terminal and the CHILL radar site.

Regretfully, Professor Robert Crane of the University of Oklahoma could not attend NAPEX XIX, as he was recovering from an earlier heart problem. In his absence, Dr. Louis Ippolito kindly agreed to cochair the ACTS Workshop Plenary Session with Dr. David Rogers. I would like to thank Drs. David Rogers and Louis Ippolito for chairing the plenary.

I would also like to thank Mardy Wilkins for helping me with the organization of the meeting and Janice Jones of the JPL Technical Information Section for coordinating the publication of this document.

The University of Alaska will host NAPEX XX in June 1996. The exact date of this meeting will be announced later. The eighth ACTS Propagation Studies Workshop will take place in Norman, Oklahoma in November 1995. Professor Robert Crane has kindly offered to be the local host for this meeting.

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