

NASA



SECOND INTERNATIONAL SYMPOSIUM ON  
SPACE TERAHERTZ TECHNOLOGY

February 26-28, 1991

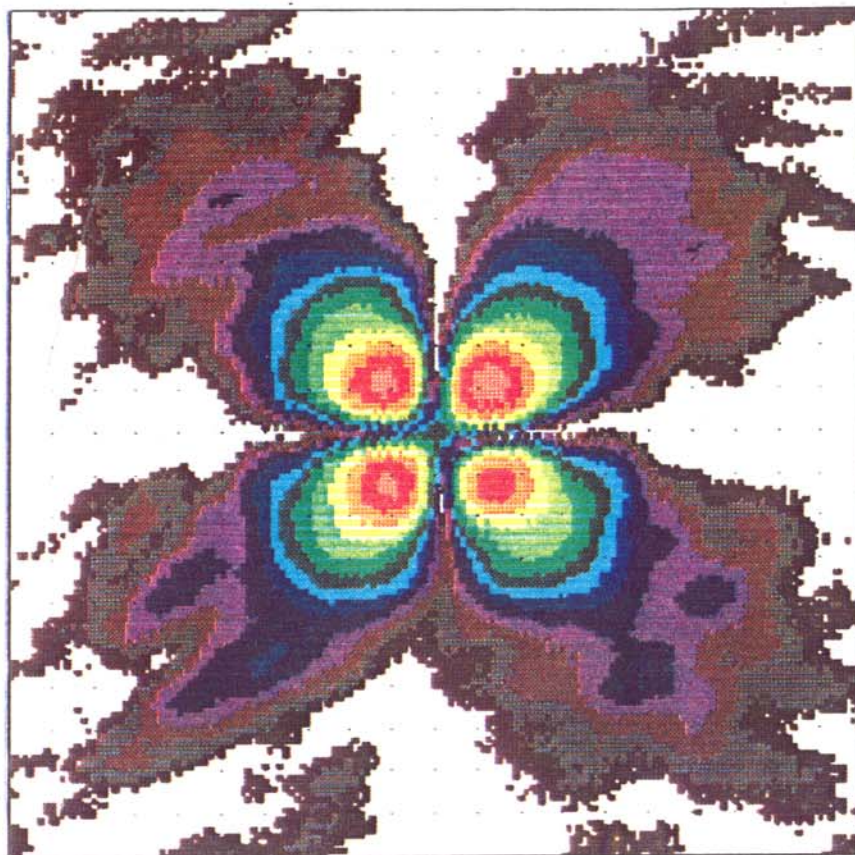
Jet Propulsion Laboratory  
California Institute of Technology  
Pasadena, California

JPL



The University  
of Michigan

# Proceedings



Cross-polarization beam pattern for a dipole antenna on a dielectrically filled parabola (JPL).

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*Organized Jointly by:* NASA Center for Space Terahertz Technology, University of Michigan; and Center for Space Microelectronics Technology, Jet Propulsion Laboratory

*Proceedings of the*  
SECOND INTERNATIONAL SYMPOSIUM ON  
SPACE TERAHERTZ TECHNOLOGY

February 26-28, 1991

Jet Propulsion Laboratory  
California Institute of Technology  
Pasadena, California

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Smiling faces at the 1991 Symposium on February 26, JPL.

## Preface

The Second International Symposium on Space Terahertz Technology was held at the Jet Propulsion laboratory, California Institute of Technology, Pasadena, California, on February 26-28, 1991. The Symposium, which was attended by approximately 150 scientists and engineers from the U.S., Europe, and Japan, featured papers relevant to the generation, detection, and use of the terahertz spectral region for space astronomy and remote sensing of the Earth's upper atmosphere. The program included ten sessions covering a wide variety of topics including solid-state oscillators, power-combining techniques, mixers, harmonic multipliers, antennas and antenna arrays, submillimeter receivers, and measurement techniques.

The Symposium was sponsored by the University Space Engineering Research Centers Program of NASA's Office of Aeronautics, Exploration, and Technology (OAET), and by the Strategic Defense Initiative Organization, Innovative Science and Technology Office (SDIO/IST). The Microwave Theory and Techniques Society of IEEE served as a cooperative sponsor of the Symposium, as well as a medium for publication of some of the papers that were presented at the Symposium in the form of a mini-special issue (March 1992) of the *IEEE-MTT Transactions*.

The Third International Symposium on Space Terahertz Technology will be held at the University of Michigan in Ann Arbor, Michigan, on March 24-26, 1992.

*Fawwaz T. Ulaby*  
*Carl A. Kukkonen*

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