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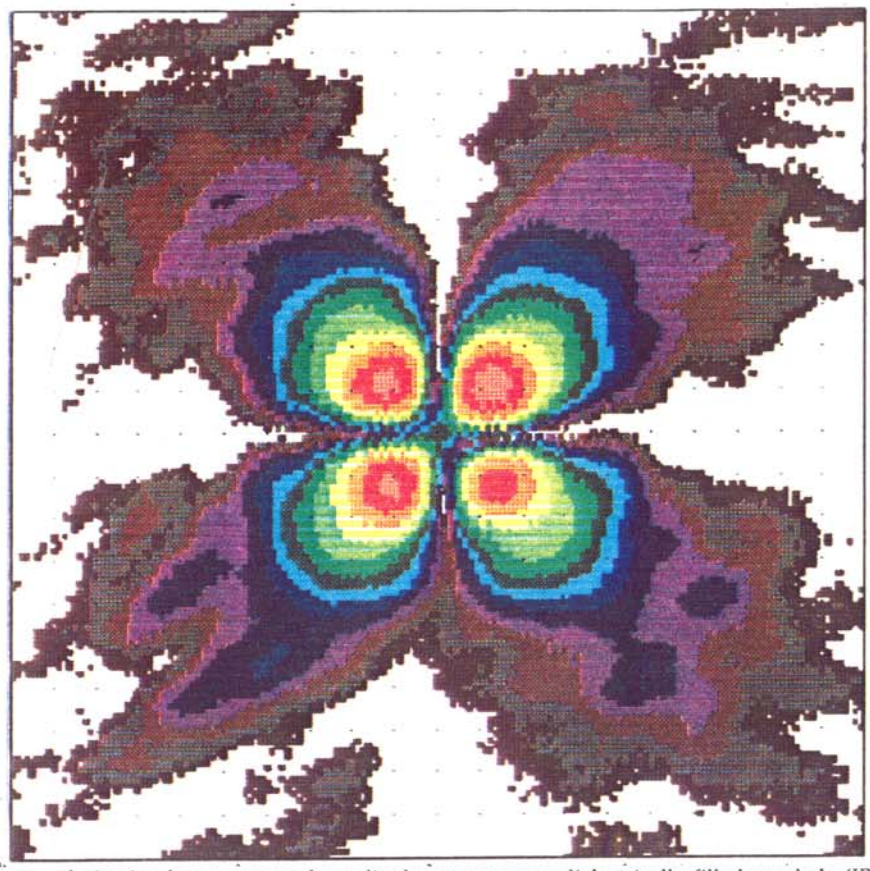
SECOND INTERNATIONAL SYMPOSIUM ON
SPACE TERAHERTZ TECHNOLOGY

February 26-28, 1991

Jet Propulsion Laboratory
California Institute of Technology
Pasadena, California

Proceedings



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

Sponsored by University Space Engineering Research Centers Program of NASA's Office of Aeronautics, Exploration and Technology (OAET); andStrategic Defense Initiative Organization, Innovative Science and Technology Office (SDIO/IST)

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Organizing Committee

Symposium Co-chairs:	Fawwaz T. Ulaby, University of Michigan Carl A. Kukkonen, Jet Propulsion Laboratory
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Symposium Proceedings:	Valerie Franklin, University of Michigan

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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*Presentation only.

Session 9: Circuits and More — Chair: H. Fetterman

Session 10: Receivers and More — Chair: G. I. Haddad