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Proceedings of the Twelfth International Symposium on Space Terahertz Technology

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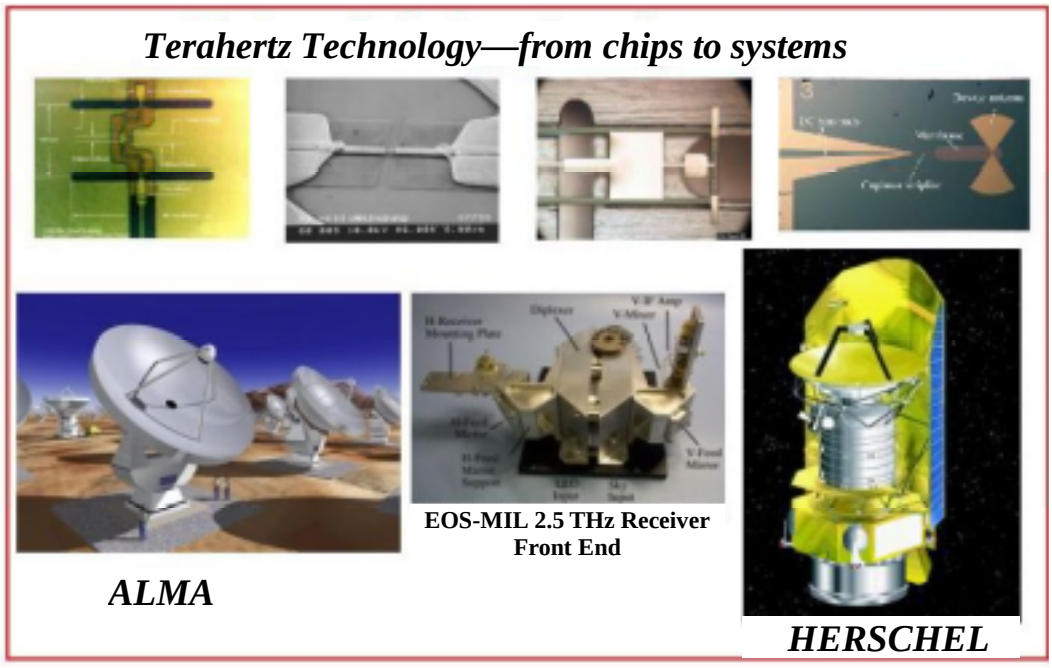

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PREFACE

On behalf of the Steering committee I wish to thank all of the authors and presenters who have done a wonderful job of making this Symposium productive and enjoyable.

Fifty-three abstracts were accepted for oral presentations and a further sixteen submissions were accepted for poster presentations. The breakdown of the accepted abstracts in terms of broad technology areas is as following:

Hot Electron Bolometers	17
SIS technology	12
LO technology	16
Antennas, measurements etc	18
Direct detectors	6

All of the papers that were submitted on time have been included in the proceedings. Only a handful of papers were not submitted and they have been replaced with the accepted abstracts.

I would like to take this opportunity to thank people who have helped in the organization of this symposium. Pat McLane and her crew from JPL's Conference Administration Office have been instrumental in doing all of the hard work. Wei Lien Dang and Eric Lee for their invaluable assistance with the web and compilation of the proceedings. Dr. Peter Siegel, Dr. Rob McGrath, Dr. Boris Karasik , Dr. Tom Crowe and members of the steering committee helped with the review of the submitted abstracts. Financial support from Dr. Tim Krabach (JPL) was also instrumental and is much appreciated. This publication was prepared by the Jet Propulsion Laboratory, California Institute of Technology, under a contract with the National Aeronautics and Space Administration.

Imran Mehdi
(JPL)

12th International Symposium on Space Terahertz Technology Steering committee:

Raymond Blundell, Harvard Smithsonian Center for Astrophysics
Thomas W. Crowe, University of Virginia
Jack East, University of Michigan
Rob McGrath, Jet Propulsion Laboratory
Gabriel Rebeiz, University of Michigan
Robert M. Weikle II, University of Virginia
Jonas Zmuidzinas, Caltech

Please note the dates and location for the 13th Intl. Symposium on Space Terahertz Technology to be held in 2002:

March 26-28th, 2002
At the Harvard Smithsonian Center for Astrophysics

Program Chair: Dr. Raymond Blundell
rblundell@cfa.harvard.edu

12th International Symposium on Space Terahertz Technology

1. SESSION 1: SIS MIXERS
Session Chair: Dr. Karl Jacobs, KOSMA

2. SESSION 2: HOT ELECTRON BOLOMETER MIXERS I
Session Chair: Dr. Boris Karasik, Jet Propulsion Laboratory

4. SESSION 4: MIXERS AND DETECTORS

Session Chair: Dr. Peter Siegel, Jet Propulsion Laboratory

5. SESSION 5: POSTER SESSION

Session Chair: Dr. Tom Crowe, University of Virginia

6. SESSION 6: HOT ELECTRON BOLOMETER MIXERS II

Session Chair: Prof. Dan Prober, Yale

7. SESSION 7: LO SOURCES II

Session Chair: Dr. Antti V. Räisänen, Helsinki University of Technology

8. SESSION 8: SIS MIXERS II

Session Chair: Dr. Anders Skalare, Jet Propulsion Laboratory

9. SESSION 9: MEASUREMENTS AND CHARACTERIZATION

Session Chair: Dr. C. Edward Tong, Harvard-Smithsonian Center for Astrophysics

10. SESSION 11: DIRECT DETECTORS

Session Chair: Dr. Jamie Bock, Jet Propulsion Laboratory

11. SESSION 12: LO SOURCES III
Session Chair: Dr. Jean Bruston, ESTEC

12. SESSION 12: MISCELLANEOUS
Session Chair: Dr. S-K. Pan, NRAO

13. SESSION 13: RECEIVERS

Session Chair: Dr. John Pearson, Jet Propulsion Laboratory