Far-IR, Sub-mm & mm Detector Technology Workshop

Ames Research Center

USRA SOFIA

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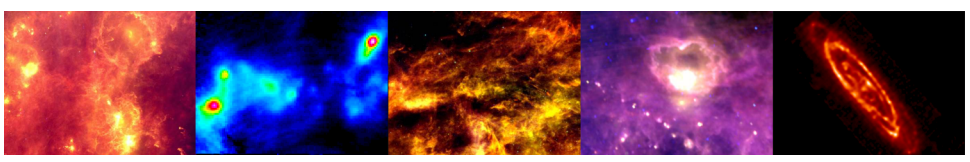


1-3 April 2002 • Monterey, California

The Far-IR, Sub-mm & mm Detector Technology Workshop will provide a forum for the community of observers, instrument developers, detector developers, and the NASA IR/Sub-mm Detector Working Group to discuss detector technology and development issues for wavelengths longer than 30 μm.

Program Outline

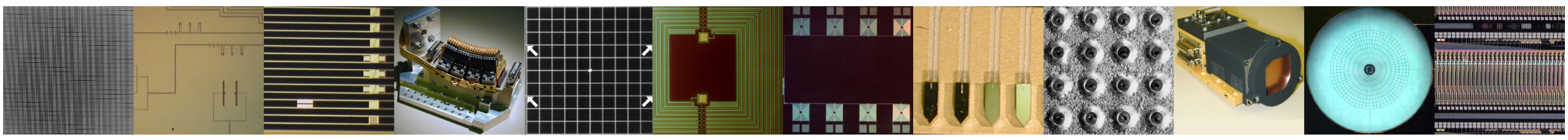
- From the Decadal Report to Detector Requirements
- Photoconductor Detectors
  - Advanced Arrays
  - Theoretical Photoconductor Modeling
  - Comparison of Modeled and Measured Behavior
- Hetrodyne Detection
  - Front Ends
  - Local Oscillators
  - Backend Spectrometers
- Bolometer Systems
  - Thermometers: NTD, Ion Implanted, TES
  - Coupling Schemes
  - Array Design
  - Cold Multiplexing
- Promising Future Detector Technology

Scientific Organizing Committee

Stephan Meyer (Chair)	*University of Chicago*
Sarah Church	*Stanford University*
Reinhard Genzel	*Max-Planck-Institut/UC, Berkeley*
Eugene Haller	*UC, Berkeley/LNBL*
Thomas Henning	*Friedrich Schiller Univ., Jena*
William McGrath	*Caltech/JPL*
Harvey Moseley	*NASA GSFC*
Daniel Prober	*Yale University*
George Rieke	*University of Arizona*
Hans-Peter Röser	*DLR, Berlin*
Charles Telesco	*University of Florida*
Jonas Zmuidzinas	*Caltech*

NASA IR/Sub-mm Detector Working Group

Erick Young	*University of Arizona*
Craig McCreight	*NASA ARC*
Paul Richards	*UC, Berkeley*
Charles Lawrence	*Caltech/JPL*



http://sofia-usra.arc.nasa.gov/det_workshop

This workshop is endorsed by:

NASA DLR

Local Organizing Committee

Jackie Davidson (Chair)	*USRA-SOFIA*
Sean Casey	*USRA-SOFIA*
Jessie Dotson	*NASA ARC*
Jam Farhoomand	*TechnoScience Corp. – NASA ARC*
Craig McCreight	*NASA ARC*
Jürgen Wolf	*DLR - SOFIA*

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