

Infrared Astrophysics Workshop 2022 Program

	Wed March 30	Thurs March 31	Fri April 1
8:00 AM			
8:20 AM	Breakfast & Discussion (8:00-9:00 AM) <i>Breakfast Provided!</i>	Breakfast & Discussion (8:00-9:00 AM) <i>Breakfast Provided!</i>	Breakfast & Discussion (8:00-9:00 AM) <i>Breakfast Provided!</i>
8:40 AM			
9:00 AM	Welcome (9:00-9:10 AM)		Margaret Meixner - <i>SOFIA Opportunities for Astro2020 Priorities</i> (9:00-9:20 AM)
9:20 AM	Dominic Benford - <i>NASA HQ Comments on Astro2020</i> (9:10-9:40 AM)	Chris Walker - <i>Single Aperture Large Telescope for Universe Studies (SALTUS)</i> (9:00-9:30 AM)	Tirupati Kumara Sridharan - <i>Sub-mm VLBI with SOFIA and Suborbital Platforms: Testing GR through M87 SMBH Photon Ring Detection</i> (9:20-9:40 AM)
9:40 AM	Ball Aerospace (9:40-10:00 AM)	Jason Glenn - <i>Science and Mission Concept for the PRIMA Far-Infrared Probe</i> (9:30-10:00 AM)	Bernhard Schulz - <i>A German/European SOFIA Instrumentation Effort</i> (9:40-10:00 AM)
10:00 AM	Coffee Break (10:00-10:20 AM)	Coffee Break (10:00-10:20 AM)	Coffee Break (10:00-10:20 AM)
10:20 AM	Jed McKinney - <i>Heating and Cooling in the Interstellar Medium of Dusty Galaxies</i> (10:20-10:40 AM)	Asantha Cooray - <i>FIRSS: Overview of the Far-Infrared Spectroscopy Space Telescope Probe Concept</i> (10:20-10:50 AM)	Small Group Workshop (10:20-11:00 AM)
10:40 AM	Johannes Staguhn - <i>Detector developments for Mid- and Far-Infrared Instruments for Future Missions</i> (10:40-11:00 AM)		
11:00 AM	Laura Sommovigo - <i>Newborn but dusty: the puzzle of EoR galaxies</i> (11:00-11:20 AM)	Dave Leisawitz - <i>The Space Infrared Interferometric Telescope (SPIRIT): A Far-IR Probe Candidate</i> (10:50-11:20 AM)	Jordan Wheeler - <i>Broadband Kinetic Inductance Detectors for Far-IR Observations</i> (11:00-11:20 AM)
11:20 AM	Mike DiPirro - <i>A Far-IR Technology Roadmap Derived from the Origins Flagship Study</i> (11:20-11:40 AM)		Ward Howard - <i>The role of IR in Multi-wavelength Exploration of Stellar Activity and Exoplanet Characterization</i> (11:20-11:40 AM)
11:40 AM	Poster Flash Talks (11:40 AM -12:00 PM)	Probe Discussion (11:20AM-12:00PM)	Reinier Janssen - <i>Large arrays of high-sensitivity Kinetic Inductance Detectors for the Terahertz Intensity Mapper</i> (11:40 AM -12:00 PM)
12:00 PM			
12:20 PM			
12:40 PM	Lunch (12:00-1:30 PM)	Lunch (12:00-1:30 PM)	Lunch (12:00-1:30 PM)
1:00 PM			
1:20 PM			
1:40 PM	Emily Barrentine - <i>Integrated On-Chip Spectrometers for Future Longwave Far-Infrared Space Missions</i> (1:30-1:50 PM)	Matt Bradford - <i>Instrumentation and Technology for PRIMA: a Far-Infrared Astrophysics Probe</i> (1:30-1:50 PM)	Sae Woo Nam - <i>Superconducting Nanowire Single Photon Detectors for Mid-Infrared Spectroscopy</i> (1:30-1:50 PM)
2:00 PM	Tom Megeath - <i>Far-IR studies of Mass Accretion and Feedback Toward Low Mass Protostars</i> (1:50-2:10 PM)	Meredith MacGregor - <i>What Can the IR do for Planet Formation Science?</i> (1:50-2:10 PM)	Roberta Paladini - <i>On the Origin of the Initial Mass Function and the Importance of Near and Far-IR measurements</i> (1:50-2:10 PM)
2:20 PM	Philip Maukopf - <i>Space qualified FPGA based readout electronics for superconducting detector arrays</i> (2:10-2:30 PM)	Elisabeth Mills - <i>Nearby Galaxy Science Cases with a FIR Probe</i> (2:10-2:30 PM)	Gordon Stacey - <i>Silicon substrate-based Resonant Spectrometers</i> (2:10-2:30 PM)
2:40 PM	Small Group Workshop (2:30-3:10 PM)	Small Group Workshop (2:30-3:10 PM)	Enrique Lopez-Rodriguez - <i>Extragalactic Magnetism using FIR polarimetry: first results of the legacy program</i> (2:30-2:50 PM)
3:00 PM			Imran Medhi & Martina C. Wiedner - <i>Heterodyne Technology for Future Space Missions</i> (2:50-3:10 PM)
3:20 PM	Cookie Break (3:10-3:40 PM)	Cookie Break (3:10-3:40 PM)	Large Group Workshop (3:10-4:00 PM)
3:40 PM	Jens Kauffmann - <i>Paradigm-Shifts in Mission Design enabled by the SpaceX Starship</i> (3:40-4:00 PM)	Kevin Stevenson - <i>Eyes on the PIE: Using Planetary Infrared Excess to Study the Nearest Potentially-Habitable Exoplanets</i> (3:40-4:00 PM)	
4:00 PM	Ella Sciamma-O'Brien - <i>On the Importance of Producing and Characterizing Laboratory Analogs of Cosmic Grains, Planetary Atmospheric Aerosols, and Surface Material</i> (4:00-4:20 PM)	Avi Mandell - <i>MIRECLE: Mid-IR Concept to Study Non-Transiting Rocky Planets Orbiting the Nearest M-Stars</i> (4:00-4:20 PM)	Workshop Wrap-up (4:00-4:30 PM)
4:20 PM			
4:40 PM	Large Group Workshop (4:20-5:30 PM)	Large Group Workshop (4:20-5:00 PM)	
5:00 PM			
5:20 PM		Social Event @ Spirit Hound Leave Williams Village @ 5:00 PM Return to Williams Village @ 9:30 PM	