

Building the 2020-2025 Instrument Roadmap Workshop Agenda

Monday, June 22, 2020

Time (PDT)	Speaker (Affiliation)	Presentation Title
Introduction and Background (Meixner, Chair)		
7:00–7:20am	Margaret Meixner (SMO)	Synergies with new and existing observatories
7:20–7:40am	Naseem Rangwala (NASA)	How did we get here/What is NASA asking for
7:40–8:00am	Erick Young	SOFIA Pros and Cons
8:00–8:05am	Short Break	
8:05–8:25am	Gordon Stacey (Cornell U.)	Velocity Resolved Far-IR Direct Detection Spectroscopy with SOFIA
8:25–8:45am	Jim Jackson (SMO)	Schedule for Roadmap, to SR and beyond
8:45–9:05am	Bernhard Schulz (DSI)	German Instrument development perspective
9:05–9:45am	Long Break	
Upgrades (Schulz, Chair)		
9:45–10:05am	Michael Gordon (SMO)	HAWC+ with new arrays
10:05–10:25am	Bill Vacca (SMO)	FIFI-LS+
10:25–10:45am	James De Buizer (SMO)	FORCAST upgrade possibilities
10:45–10:50am	Short Break	
10:50–11:10am	Enrico Pfüller (DSI)	FPI++ - NIR guider and science
11:10–11:30am	B-G Andersson (SMO)/All	Summary of Day and Open Discussion

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Path to Life and Birth of Planetary Systems (Chen, Chair)		
7:00–7:20am	Mihkel Kama (Tartu, Estonia)	Protoplanetary Disks
7:20–7:40am	Quentin Kral (Paris)	Debris disks
7:40–8:00am	Melissa McClure (Leiden)	Ices and PAHs
8:00–8:05am	Short Break	
8:05–8:25am	David Neufeld (JHU)	Light Hydrides, Water and Organics
Birth and Death of Stars (Jackson, Chair)		
8:25–8:45am	Emily Levesque (UW)	Exploring Red Supergiants and Evolved Massive Stars with SOFIA
8:45–9:05am	Mikako Matsuura (Cardiff)	Supernovae/SNR
9:05–9:25am	Nye Evans (Keele)	Novae and Transients
9:25–9:55am	Long Break	
9:55–10:15am	Friedrich Wyrowski (MPIfR)	Massive star formation
10:15–10:35am	Cornelia Pabst (Leiden)	Stellar Feedback
10:35–10:55am	Ian Stephens (CfA)	Magnetic Fields in Galactic Star Formation
10:55–11:15am	Will Fischer (STScI)	Tracking Protostellar Luminosity Outbursts with SOFIA
11:15–11:20am	Short Break	
11:20–11:40am	Mark Swain (JPL)	Exoplanets
11:40am–12:00pm	Jim Jackson (SMO)/All	Feedback

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Wednesday, June 24, 2020

Time (PDT)	Speaker (Affiliation)	Presentation Title
Galaxy Evolution, Calibrating the Distant Universe (Andersson, Chair)		
7:00–7:20am	Betsy Mills (Kansas)	Inner Galaxy structure, polarization and kinematics
7:20–7:40am	John Bally (Colorado)	Galactic Center Star Formation
7:40–8:00am	Justin Spilker (UT Austin)	AGN science
8:00–8:05am	Short Break	
8:05–8:25am	Jorge Pineda (JPL)	Galactic structure studies
8:25–8:45am	Enrique Lopez Rodriguez (SMO)	Magnetic field on galaxy scales
8:45–9:05am	Sue Madden (Saclay)	[CII] as a H ₂ mass and star formation tracer for galaxies near and far
9:05–9:45am	Long Break	
Solar System (Moulet, Chair)		
9:45–10:05am	Darek Lis (JPL)	Comets/Origin of Earth's water
10:05–10:25am	Maggie McAdam (NASA)	Asteroids/TNOs
10:25–10:45am	Leigh Fletcher (Leicester)	Giant Planets
10:45–11:05am	Geronimo Villanueva (GSFC)	Venus/Terrestrial planets
11:05–11:10am	Short Break	
Discussion, Summary and Recommendations		
11:10–11:30am	Judy Pipher (Rochester)/All	What is SOFIA's role?
11:30am–12:00pm	Jim Jackson (SMO)	Summary/lessons/where do we go from here?