

Day-1, Date: Monday, Feb. 12, 2018 (All Presentations will be in Sahara Room)			
Time	Presentation Topic	Presenter	Type/Duration
7:00-7:45	Breakfast	Location: B2 Cafe	45 minutes
8:00-8:55	Registration	Location: Sharara Room	
8:55-9:00	Welcome/Logistics	Vishnu Reddy (LOC Chair)	5 minutes
9:00-9:20	Role of NASA IRTF in NASA Strategic Vision (Planetary Sciences)	Kelly Fast (NASA IRTF Program Scientist)	15 minutes presentation, 5 minutes questions
9:20-9:40	Role of NASA IRTF in NASA Strategic Vision (Astrophysics)	Hashima Hasan (NASA Program Scientist for Keck)	15 minutes presentation, 5 minutes questions
9:40-10:30	State of the IRTF	John Rayner (IRTF Director)	30 minutes presentation, 20 minutes questions
10:30-11:00	Break		30 minutes
11:00-12:30	Planetary Defense		
11:00-11:20	Invited Talk: Utilizing IRTF for Planetary Defense	Cristina Thomas (NAU)	15+5 minutes
11:20-11:30	Contributed Talk: MIRSI NEO Survey	D. Trilling (NAU)	7+3 minutes
11:30-11:40	Contributed Talk: Close Encounters of the Asteroid Kind	N. Moskovitz (Lowell Obs.)	7+3 minutes
11:40-12:30	Discussion	Chairs: Andy Rivkin (APL), Cristina Thomas (NAU)	50 minutes
12:30-1:30	Lunch	Location: B2 Cafe	1 hour
1:30-3:10	Small Bodies		
1:30-1:50	Invited Talk: Composition	Silvia Protopapa	15+5 minutes

	of icy bodies in the outer solar system through the eyes of IRTF: current and future	(SwRI)	
1:50-2:00	Contributed Talk: Small Bodies Observations with SpeX's LXD and iSHELL	Driss Takir (SETI)	7+3 minutes
2:00-2:10	Contributed Talk: The IRTF Advantage – Dust in Comet Comae	Chick Woodward (University of Minnesota)	7+3 minutes
2:10-2:20	Contributed Talk: The importance of iSHELL/NASA-IRTF for future cometary science: The Target of Opportunity C/2017 E4	Sara Faggi (GSFC)	7+3 minutes
2:20-3:10	Discussion	Chairs: Leslie Young (SwRI) + Audrey Thirouin (Lowell)	50 minutes
3:10-3:25	Break		15 minutes

Day-1, Date: Monday, Feb. 12, 2018			
Time	Presentation Topic	Presenter	Type/Duration
3:25-5:00	Planetary Atmospheres		
3:25-3:45	Invited Talk: Study of Planetary Atmospheres on the NASA IRTF	Ted Kostiuk (GSFC)	15+5 minutes
3:45-3:55	Contributed Talk: Observations of the Venusian atmosphere by IRTF together with Akatsuki/JAXA	Y. J. Lee (U. of Tokyo Chiba)	7+3 minutes
3:55-4:05	Contributed Talk: Future Study of Mars'	R. Novak (Iona College)	7+3 minutes

	Atmosphere Using the NASA-IRTF		
4:05-4:15	Contributed Talk: Future of Planetary High Resolution Spectroscopy in the Context of ELT and JWST	Geronimo Villanueva (GSFC)	7+3 minutes
4:15-5:00	Discussion	Chairs: Eliot Young (SwRI) + Geronimo Villanueva (GSFC)	45 minutes
5:00-5:15	Break		15 minutes
5:15-6:00	Mission Support		
5:15-5:35	Invited Talk: Earth-Based Support for NASA's Outer-Planet Missions	Glenn Orton (JPL)	15+5 minutes
5:35-5:45	Discussion: IRTF Support for Astrophysics Missions	Chair: John Rayner (IRTF)	10 minutes
5:45-6:00	Day 1 - Summary		
5:45-6:00	Day-1 Summary	Sessions Chairs	15 minutes
6:00-7:00	University of Arizona Reception, Location: B2 Lower Habitat		
7:00-8:00	Dinner, Location: B2 Lower Habitat		

Day-2, Date: Tuesday, Feb. 13, 2018			
Time	Presentation Topic	Presenter	Type/Duration
7:00-7:45	Breakfast	Location: B2 Cafe	45 minutes
8:00-9:30	Exoplanets		
8:00-8:20	Invited Talk:IRTF for	Elisabeth Newton	15+5 minutes

	exoplanets: from stellar parameters to radial velocities	(MIT)	
8:20-8:30	Contributed Talk: Precision Stellar Astrophysics and Exoplanet Science in the Gaia Era	Dan Huber (University of Hawaii)	7+3 minutes
8:30-8:40	Contributed Talk: Precise Radial Velocities with iSHELL Update	Peter Plavchan (George Mason U.)	7+3 minutes
8:40-8:50	Contributed Talk: Searching for signatures of hot Jupiters	Laura Flagg (Rice University)	7+3 minutes
8:50-9:30	Discussion	Chairs: Lisa Prato (Lowell), Christopher Johns-Krull (Rice)	40 minutes
9:30-9:45	Break		15 minutes
9:45-11:15	Star and Planet Formation		
9:45-10:05	Invited Talk: Star and Planet Formation with the IRTF	Christopher Johns-Krull (Rice)	15+5 minutes
10:05-10:15	Contributed Talk: Spectro-astrometry with iSHELL	S. Brittain (Clemson University)	7+3 minutes
10:15-10:25	Contributed Talk: Synoptic Observations of Young Planet-Building Disks	M. Sitko (University of Cincinnati)	7+3 minutes
10:25-11:15	Discussion	Chairs: Lisa Prato (Lowell), John Carr (NRL)	50 minutes
11:15-12:45	Lunch	Location: B2 Cafe	75 minutes
12:45-2:15	Stellar and Substellar Astrophysics		

12:45-1:05	Invited Talk:Substellar and Stellar Astrophysics beyond the Era of Gaia, TESS, and LSST	Andrew Mann (UT)	15+5 minutes
1:05-1:15	Contributed Talk: Future Capabilities of IRTF for Low-mass Stars, Brown Dwarfs and Exoplanetary Science	A. Burgasser (UCSD)	7+3 minutes
1:15-1:25	Contributed Talk: Next Generation Stellar Population Synthesis Models with IRTF	A. Villaume (UCSC)	7+3 minutes
1:25-2:15	Discussion	Chairs: Adam Burgasser (UC) and Dan Huber (UH)	50 minutes
2:15-2:30	Break		15 minutes
2:30-4:00	Imaging/Spectroscopic instrumentation		
2:30-2:50	Invited Talk: Future Directions for IRTF Imaging and Spectroscopic Instrumentation	Matt Richter (UCD)	15+5 minutes
2:50-3:00	Contributed Talk: Robotic laser adaptive optics for rapid, near-HST resolution imaging from the IRTF	C. Baranec (University of Hawaii)	7+3 minutes
3:00-3:10	Contributed Talk: The role of high angular resolution in planetary science	A. Conrad (LBT)	7+3 minutes
3:10-3:20	Contributed Talk: Infrared Polarimetry with the IRTF	T. Jones (University of Minnesota)	7+3 minutes
3:20-3:35	Break		15 minutes
3:35-3:45	Contributed Talk:	M. Connelley	7+3 minutes

	SPECTRE: A low-resolution spectrograph concept for IRTF	(University of Hawaii)	
3:45-4:35	Discussion	Chairs: John Rayner/ Mike Connelley (Hawaii)	50 minutes
4:35-5:00	Day 2 - Summary		
5:00-5:30	Day-2 Summary	Session Chairs	30 minutes
7:00-8:00	Dinner, Location: B2 Lower Habitat		

Day-3, Date: Wednesday, Feb. 14, 2018			
Time	Presentation Topic	Presenter	Type/Duration
7:00-7:45	Breakfast	Location: B2 Cafe	45 minutes
8:00-9:30	Emerging Topics/Time Domain		
8:00-8:20	Invited Talk: Exploring the Dynamic Infrared Sky with Gattini-IR	Ryan Lau (JPL)	15+5 minutes
8:20-8:30	Contributed Talk: High time-resolution imaging and spectroscopy at IRTF	Amanda Bosh (MIT)	7+3 minutes
8:30-8:40	Contributed Talk: Planetary Astronomy in 2018-2028: Future Directions for NASA's IRTF in the Era of ELTs	Michael Mumma (GSFC)	7+3 minutes
8:40-8:50	Contributed Talk: Jovian H3+ auroral dynamics and Io volcanic activity obtained with IRTF and Haleakala telescopes	T. Sakanoi (Tohoku University)	7+3 minutes

8:50-9:00	Contributed Talk: Synergies with IRTF and SOFIA	E. Becklin (SOFIA/USRA)	7+3 minutes
9:00-10:30	Discussion	Chairs: Amanda Bosh/Michael Mumma	90 minutes
10:30-10:45	Break		
10:45-12:00	Workshop Deliverables		
10:45-11:30	White Paper Discussion	Sessions Chairs	45 minutes
11:30-12:00	Closing Remarks/Writing Assignments		30 minutes

12:00-1:00	Lunch	Location: B2 Cafe	60 minutes
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