



Tucson, AZ April 11-13, 2024

Conference Agenda v.4 (2024.03.25)				
Wednesday, April 10			ENR2 Roof	
5:30-8:00 pm    Welcome Reception				
Thursday, April 11			Arizona Sands Club Dunlap Room	
8:45-9:20        Arrive/Coffee				
Session 1: Planet Formation Theory and Observations				
9:20-9:30	Welcome	J.	Shields et al.	
9:30-10:00	Invited Talk	G.-D.	Marleau	Accretion Signposts at Planetary-Mass Objects: Observational Landscape and Theoretical Perspectives
10:00-10:20	Contributed Talk	M.	Bonnefoy	Magnetospheric Accretion on the Super-Jupiter Delorme 1ABb Revealed by Time-series of High-resolution Spectra
10:20-10:40	Contributed Talk	Z. J.	Zhang	Connecting Compositions of Directly Imaged Exoplanets with Their Formation Pathways
10:40-10:50	Short Talk	K.	Hardegree-Ullman	Bioverse and the Prospects for Observing Biosignatures with the ELTs
10:50-11:15    Coffee				
11:15-11:45	Invited Talk	S.	Sallum	ELT-Resolution Imaging of Planet Formation with LBTI
11:45-12:05	Contributed Talk	E.	Rigliaco	New Perspectives for the Derivation of the Frequency and Physical Properties of Giant Planets Close to the Ice Snow Line
12:05-12:15	Short Talk	A.	Garufi	VLT, the Tritagonist
12:15-2:00       Lunch				
Session 2: System Architectures				
2:00-2:30	Invited Talk	P.	Pinilla	First Steps of Planet Formation in the VLT, ALMA, and JWST Era
2:30-2:50	Contributed Talk	K.	Hoy	Atmospheric and Radial Velocity Analysis of $\eta$ Tel B with CRIRES+
2:50-3:10	Contributed Talk	K.	Wagner	Searching for Planets Around Nearby Debris-Hosting Stars
3:10-3:20	Short Talk	M.	Schlecker	Bioverse: Probing the Habitable Zone Inner Edge Discontinuity and the Origins of Life
3:20-3:45        Coffee				
3:45-4:15	Invited Talk	M.	Janson	Planets around Massive Stars: BEAST and Beyond
4:15-4:35	Contributed Talk	S.	Benatti	Transit - Radial Velocity - Imaging Synergy to Characterize the Young Exoplanet Systems
4:35-4:55	Contributed Talk	T.	Currie	Discovering and Characterizing Young Gas Giant Planets with Upcoming Extreme AO Systems and ELTs
5:15 - 6:15      Optional Steward Observatory Mirror Lab tour				

Friday, April 12		Arizona Sands Club Dunlap Room		
8:45-9:30	Arrive/Coffee			
	Session 3: New Instrumentation and Techniques			
9:30-10:00	Invited Talk	J.	Stone	Massive Improvements in Atmospheric Characterization with Direct Imaging in the ELT Era
10:00-10:20	Contributed Talk	S.	Ertel	The LBTI as an ELT pathfinder
10:20-10:40	Contributed Talk	S.	Ragland	Positioning Large Binocular Telescope Adaptive Optics Systems for Exoplanets Science in the Rubin and ELT Era
10:40-10:50	Short Talk	A.	Conrad	Fizeau in the Visible (and Its Potential for Exoplanet Science)
10:50-11:15	Coffee			
11:15-11:35	Contributed Talk	V.	Faramaz	Examining Exozodis and Habitable Zones with the LBTI at LBTO
11:35-11:55	Contributed Talk	E.	Gaidos	Origin, Environment, and Atmosphere of a Young M dwarf-Hosted Planet
11:55-12:15	Contributed Talk	G.	Columba	Characterising the Disk of HD34700A with Multi-band Imaging: Substructures and Potential Planet Signatures
12:15-2:00	Lunch			
	Session 4: New Instrumentation			
2:00-2:30	Invited Talk	V.	D'Orazi	Breaking Through the Exoplanet Detection Barrier: Introducing SHARK-NIR for the Large Binocular Telescope
2:30-2:50	Contributed Talk	F.	Pedichini	The Experience of SHARK-VIS@LBT: Pushing AO in the Visible to Look for Exoplanets
2:50-3:10	Contributed Talk	S.	Antonucci	Hunting for Exoplanets in the Visible with SHARK-VIS@LBT: First Commissioning Results
3:10-3:20	Short Talk	M.	El Morsy	Development of a Prototype Instrument for the Direct Characterization of Young Giant Exoplanets
3:20-3:45	Coffee			
	Session 5: Exoplanet Science			
3:45-4:15	Invited Talk	B.	Miles	Advances in Mid-Infrared Brown Dwarf and Exoplanet Characterization
4:15-4:35	Contributed Talk	E.	Nasedkin	ExoGRAVITY
4:35-4:55	Contributed Talk	M.	Rainer	A Precise and Homogeneous Characterization of the Ariel Exoplanet Host Stars
4:55-5:05	Short Talk	E.	Keles	Towards HADES: Probing Lava World Atmospheres
6:30-8:00	Conference Banquet			El Charro Café
Saturday, April 13		Arizona Sands Club Dunlap Room		
8:45-9:20	Arrive/Coffee			
	Session 6:New Instrumentation and Techniques			
9:20-9:40	Contributed Talk	L.	Pearce	Exoplanet Science in Reflected Light with MagAO-X and GMagAO-X
9:40-10:00	Contributed Talk	H.	Rousseau	Pushing ELT's Sensitivity through PCA Background Subtraction
10:00-10:20	Contributed Talk	R.	Julo	Improving the Robustness of Protoplanet Detection with Present and Future Integral Field Spectrographs
10:20-10:40	Contributed Talk	J.	Crass	iLocator: Unique Science Using High-resolution Diffraction-limited Spectroscopy at the LBT
10:40-10:50	Short Talk	D.	Bovie	The SCEXAO/CHARIS Direct Imaging Survey for Planets and Brown Dwarfs Around Accelerating Stars
10:50-11:15	Coffee			
11:15-11:35	Contributed Talk	W.	Thompson	Deploying Focal Plane Wavefront Sensing and Coherent Imaging at Subaru with SPIDERS, a Pathfinder 4th Generation Planet Finder
11:35-11:55	Contributed Talk	R.	Angel	LFAST, The Large Fiber Array Spectroscopic Telescope for Characterizing Earth-like Exoplanet Atmospheres by Transit Spectroscopy
12:00 - 12:45	Lunch Meeting Conclusion			
1-5:30 pm	LBT 20th Anniversary Celebration			Steward Observatory Rm N210
Sunday, April 14		Optional Mt. Graham tour for conference participants		