SPP 1992 All-hands-on-deck meeting program

Note: this program is preliminary and subject to last-minute change



Tuesday, 14th March

First Block 14:00-15:45				
14:00	Welcome			
14:15	Karan Molaverdikhani "Exploring the Frontiers of Exoplanetary Science: The Era of Chemical Characterization" (Invited)			
15:00	John Lee Grenfell "Numerical Studies of the Influence of time-dependent Flares on Proxima Centauri b upon Atmospheric Biosignatures"			
15:15	Konstantin Herbst " INCREASE - An updated model suite to study the INfluence of Cosmic Rays on Exoplanetary AtmoSpherEs"			
15:30	Andreas Bartenschlager "Investigation of the Influence of Stellar Particle Events and Galactic Cosmic Rays on the Atmosphere of TRAPPIST-1e"			
	15:45-16:15 Coffee Break			
Second E	Second Block 16:15-17:30			
16:15	Giulia Roccetti "Presence of liquid water during the evolution of exomoons orbiting ejected free-floating planets"			
16:30	Philipp Baumeister "ExoMDN: Rapid characterization of exoplanet interiors with Mixture Density Networks"			
16:45	Vincent Böning "Magnetic processes in Hot Jupiter atmospheres"			
17:00	Tina Rückriemen-Bez, Ludwig Scheibe "Overview: planetarium show 'Diversity of exoplanets'"			
17:30-19:30 Poster Session				

Wednesday, 15th March

First Block 09:00-10:30		
09:00	Joanna Drążkowska "Rewriting planet formation theory" (Invited)	
09:45	Luca Delussu "The need for early and ubiquitous substructure: indications from disk population synthesis"	

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10:00	Thomas Pfeil "New Methods for Dust Coagulation in Hydrodynamic Simulations of Protoplanetary Disks "	
10:15	David Melon Fuksman " Turbulent heating and stability regions in radiation- hydrodynamical simulations of the Vertical Shear Instability in protoplanetary disks"	
	10:30-11:00 Coffee Break	
Second E	Block 11:00-12:00	
11:00	Sz. Csizmadia "Systematic search for exoplanet phase curves in TESS data"	
11:15	Anton Krieger "Feasibility of detecting and characterizing embedded low-mass planets in gaps in the VIS/NIR wavelength range"	
11:30	Sandra Jeffers "RedDots: The search for our nearest exoplantary neighbours"	
11:45	Florian Liebing "Inferring planetary orbits with MCMC: Best-practices to avoid common pitfalls"	
	12:00-13:30 Lunch Break	
Third Blo	ock 13:30-14:30	
13:30	Dhruv Muley "Three-temperature radiation hydrodynamics with PLUTO: tests and applications to protoplanetary disks"	
13:45	Jingyi Mah "Forming super-Mercuries: The role of stellar abundances"	
14:00	Leonard Benkendorff "Formation of Hot Jupiters in dense Star Cluster"	
14:15	Alexandre Emsenhuber "How internal photoevaporation affects giant planet formation"	
	14:30-15:00 Coffee Break	
Fourth B	lock 15:00-16:00	
15:00	Jan-Vincent Harre "Examining the orbital decay targets KELT-9 b, KELT-16 b, and WASP-4 b, and the transit-timing variations of HD 97658"	
15:15	Henrik Ruh "RV Precision in Ultra-cool M-dwarfs"	
15:30	Gabriel-Dominique Marleau "An impossible planet, and a deuterium-burning planet: Vignettes on two exciting companions"	
15:45	Eike W. Guenther "The discovery of five hot Jupiter by TESS"	
16:00-open end: Social event at the ESO Supernova Center in Garching, followed by Dinner		

Thursday, 16th March

First Block	First Block 09:00-10:30		
09:00	Ekatarina Ilin "How close-in planets manipulate their host stars"		
09:45	Lena Noack "Induction heating of planetary interiors in white dwarf systems"		
10:00	Flammini Dotti Francesco "Planets and star clusters: how the environment affects the constituents' dynamical evolution"		
10:15	R. Sfair "Stability regions in the largest resonant chain planetary system TOI-178"		
10:30-11:00 Coffee Break			
Second Block 11:00-12:15			
11:00	Hubert Klahr "Diversity in the appearance of planet disk interaction: 3D Radiation Hydro of accreting Exoplanets in their birth nebula "		
11:15	Sebastian Stammler "Using Machine Learning Techniques to estimate Disk Masses"		
11:30	Sascha Grziwa "SINGELTRANS a new detection algorithm for a mono-transit survey in CoRoT, Kepler, K2 and TESS light curves"		
11:45	Tobias Schmidt "The potentially youngest directly imaged planet in context of the inclusion of dynamic methods in Direct Imaging"		
12:00	Farewell		
Third Block 12:15-15:15			
12:15	Brainstorming-Lunch for the upcoming planetarium show		