

Day: Monday 15th April								
Start	End	Title				Presenter	Chair	Venue
09:00	09:20	Arrival and Welcome				S. Mohanty	R. Nelson	LT1
Session 1: Formation of Exoplanets								
09:20	09:50	Keynote: Forming Planets: Current Thoughts and Challenges				F. Meru	R. Nelson	LT1
09:50	10:10	Planet Formation in the Context of Stellar Clusters				T. Haworth		
10:10	10:30	Competition between Chemical Processes and Physical Evolution in Discs				R. Booth		
10:30	11:00	Break						2nd floor foyer
11:00	11:20	Interplay between Dynamics and Chemistry in Planet Formation				J. Ilee	S. Paardekooper	LT1
11:20	11:40	The binarity of systems with close-in, massive planetary and brown dwarf companions				K. Rice		
11:40	12:00	Formation of Hot Jupiters through Secular Chaos and Dynamical Tides				J. Teyssandier		
12:00	12:20	Vortices Everywhere: Planets in Low Viscosity Discs				C. McNally		
12:20	12:40	Close-in Super-Earths: The First and Last Stages of Planet Formation in MRI-Accreting Discs				M. Jankovic		
12:40	13:40	Lunch						2nd floor foyer
Session 2: Interiors of Exoplanets								
13:40	14:10	Keynote: Tracing Volatile Elements from Discs to Planets				O. Shorttle	T. Haworth	LT1
14:10	14:30	Wave Propagation and Tidal Dissipation in Giant Planets				C. Pontin		
14:30	14:50	A Watery Budget Dichotomy of Rocky Protoplanets from 26Al Heating				T. Lichtenberg		
14:50	15:15	Break						2nd floor foyer
Session 3: Habitability of Exoplanets								
15:15	15:45	Keynote: Finding an Alien Biosphere with Computational Chemistry				C. Sousa-Silva	S. Mohanty	LT1
15:45	16:05	Atmospheric Convection on Tidally-Locked Earth-like Exoplanets				D. Sergeev		
16:05	16:25	Relationship Between Mantle Mineralogy and Climate Stability				L. Lewis		
16:25	16:45	Evolution of Steam Atmosphere for Early Earth with a Coupled Climate-Interior Model				N. Katyal		
16:45	17:15	Poster Talks #1: ~25 * 1 minute talks					J. Owen	
17:15	18:15	Poster Viewing #1 (+ drinks & snacks)						B311 + foyers
Day: Tuesday 16th April								
Start	End	Title				Presenter	Chair	Venue
Session 4: Atmospheric Dynamics/Climate on Exoplanets								

09:00	09:30	<b>Keynote:</b> The Climate of Hot Exoplanets with Coupled Fluid Dynamics, Radiative Transfer and Chemistry	B. Drummond	N. Mayne	LT1
09:30	09:50	Wave - Mean Flow Interactions in the Atmospheric Circulation of Tidally Locked Planets	M. Hammond		
09:50	10:10	An Equatorial Jet and Polar Flow on WASP-49b	T. Louden		
10:10	10:30	Atmospheric Circulation of Brown Dwarfs and Directly Imaged Giant Planets	X. Tan		
10:30	11:00	<b>Break</b>			2nd floor foyer
11:00	11:20	The Effects of Gravity on the Climate and Circulation of a Terrestrial Planet	S. Thomson	J. Barstow	LT1
11:20	11:40	Outgassing and Clouds on Lava Planets: A 55 Cancri e Test Case	G. Lee		
<b>Session 5: Exoplanet Detection</b>					
11:40	12:10	<b>Keynote: Detection.</b> TESS and the Exoplanet Population	D. Armstrong	J. Barstow	LT1
12:10	12:30	Using Solar Observations to Identify a Proxy for RV Variations Induced by Magnetic Activity in Sun-like Stars	R. Haywood		
12:30	13:40	<b>Lunch</b>			2nd floor foyer
13:40	14:00	A New Technique for Ultra-Precise Radial Velocity Extraction	V.M. Rajpaul	Y. Unruh	LT1
14:00	14:20	Detecting Exoplanets with Convolutional Neural Networks: Application to the Next Generation Transit Survey	L. Raynard		
14:20	14:40	The Next Generation Transit Survey: Discoveries and Activity	O. Turner		
14:40	15:00	The NGTS Young Clusters Program: Understanding the Early Evolution of Stellar and Planetary Systems	E. Gillen		
15:00	15:30	<b>Break</b>			2nd floor foyer
15:30	15:50	The SPECULOOS transit survey: hunting for red worlds	L. Delrez	C. McNally	LT1
15:50	16:10	First Planets From The Dispersed Matter Planet Project	J. Barnes		
16:10	16:30	An Updated Study of the Ariel Target List	B. Edwards		
16:30	17:00	<b>Poster Talks #2: ~25 * 1 minute talks</b>		J. Owen	LT1
17:00	18:00	<b>Poster Viewing #2</b>			B311 + foyers
19:00	22:00	<b>Conference Dinner (+ pre-dinner reception)</b>			Sherfield SCR

Day:		Wednesday 17th April			
Start	End	Title	Presenter	Chair	Venue
Session 6: Characterisation of Exoplanets					
09:00	09:30	<b>Keynote:</b> Towards JWST: Modelling and Retrieval Strategies for Exoplanet Atmosphere Characterisation	J. Barstow	J. Owen	LT1
09:30	09:50	Directly Detecting the Atmospheres of Irradiated Brown Dwarfs	S. Casewell		
09:50	10:10	The Time Domain for Brown Dwarfs and Directly Imaged Giant Exoplanets: The Power of Variability Monitoring	B. Biller		
10:10	10:30	High-Precision Atmospheric Retrievals of Sub-Stellar Objects	A. Piette		
10:30	11:00	Break			2nd floor foyer

11:00	11:20	Correcting Transiting Exoplanet Light Curves for Stellar Spots	N. Nikolaou	G. Tinnetti	LT1
11:20	11:40	Exoplanet Atmospheric Characterisation at High Spectral Resolutions	R. Webb		
11:40	12:00	New Avenues in Atmospheric Modelling of Exoplanets	S. Gandhi		
12:00	12:10	Twinkle mission	Twinkle Team		
12:10	13:20	<b>Lunch / Twinkle Discussion: Formation of a UK Consortium</b>			Foyers / LT1
13:20	13:40	Disentangling the Planet from the Star in Late Type M Dwarfs: A Case Study of TRAPPIST-1g	H. Wakeford	I. Waldmann	LT1
13:40	14:00	Studying the Interior Structure of Highly-Eccentric Hot Jupiters via Deep Imaging with VLT-SPHERE	S. Hinkley		
14:00	14:20	An Absolute Sodium Abundance for a Cloud-free 'Hot Saturn' Exoplanet	N. Nikolov		
14:20	14:40	Molecular Opacities for Hot Rocky Super-Earths	A. Owens		
14:40	15:00	High Resolution Spectroscopy of Exoplanets	S. Yurchenko		