

Tuesday 9th April 2024

9:00 10:00 *Registration + coffee*

CHAIR: Anjali Piette

10:00 10:15 Mortier / Triaud

10:15 10:30 Liu Pengyu

10:30 10:45 Osborne Hannah

10:45 11:00 Fairman Charlotte

11:00 11:15 Hammond Mark

11:15 11:30 Davis Yasmin

11:30 11:45 Robinson Alfie

11:45 12:00 Various

Welcome

A peculiar planetary-mass candidate imaged around a binary star

A homogenous analysis of small planet masses

The importance of optical Hubble observations in constraining retrieved atmospheric parameters of exoplanet transmission spectra.

Two-Dimensional Eclipse Mapping of the Hot Jupiter WASP-43b with JWST MIRI/LRS

Understanding M Dwarf Radius Inflation: Insights from Low-Mass Eclipsing Binaries

Investigating the effect of radiation pressure on protoplanetary disc dispersal

Poster pop-ups

12:00 13:30 *Lunch*

CHAIR: Vincent Van Eylen

13:30 13:50 Williams Jamie

13:50 14:05 Madhusudhan Nikku

14:05 14:20 Guest Elizabeth

14:20 14:35 Zhao Yunpeng

14:35 14:50 Klein Baptiste

14:50 15:00 Various

Planet detections around white dwarfs

The Hycean Paradigm in the Search for Life

Using Machine Learning to Fill Data Needs in the ExoMol Database

Planet formation in wind-driven discs via pebble accretion

Understanding stellar activity through eight years of Sun-as-a-star observations

Poster pop-ups

15:00 15:30 *Coffee*

CHAIR: Amaury Triaud

15:30 16:45 Panic, Meru, Parker

16:45 17:00 Various

Special session on EDI

Poster pop-ups

17:00 19:30 *Poster session including buffet dinner*

Wednesday 10th April 2024

CHAIR: Hannah Wakeford

9:00 9:20 McDonald Catriona

9:20 9:35 Watson Christopher

9:35 9:50 Penzlin Anna

9:50 10:05 Valentine Daniel

10:05 10:15 Various

Delivering prebiotic feedstocks to habitable planets

Characterising exoplanet atmospheres with Doppler tomography.

Reshaping protoplanetary disc around binaries through heat

The first eclipse map of the hot Jupiter WASP-17b

Poster pop-ups

10:15 10:45 *Coffee*

CHAIR: David Brown

10:45 11:00 Alderson Lili

11:00 11:15 Bayliss Daniel

11:15 11:30 Schoettler Christina

11:30 11:45 Parker Luke

11:45 12:00 Various

Atmospheres Across the Radius Valley - First Results from the JWST COMPASS Program

Discovering Non-Transiting Exoplanets with TESS

The impact of internal and external perturbations on exoplanet architectures

Into the red: opening up the M-band for characterisation of exoplanet atmospheres at high spectral resolution

Poster pop-ups

12:00 13:30 *Lunch*

		CHAIR: Amaury Triaud	
13:30	14:45	Triaud, Meru, Osborne, Willett, Ahrer	Special session on public engagement
14:45	15:00	Various	Poster pop-ups
<i>15:00 15:30 Coffee</i>			
		CHAIR: Sebastiaan Krijt	
15:30	15:50	Paletorpe Larissa	Gliese 12 b, A Temperate Earth-sized Planet at 12 Parsecs
15:50	16:05	Ma Sushuang	Atmospheric clouds and hazes in the era of next-generation exoplanet data
16:05	16:20	Iglesias Daniela	Disc evolution in intermediate-mass stars
16:20	16:35	Doyle Lauren	The TESS SPOC FFI Target Sample Explored with Gaia
16:35	16:50	Tahseen Tara	Accelerating Atmospheric Simulation of Venus by Integrating a Machine-Learned Surrogate Radiative Transfer Scheme
16:50	17:00	Various	Poster pop-ups
<i>18:30 22:00 Conference dinner</i>			

Thursday 11th April

		CHAIR: Yvonne Unruh	
9:00	9:20	Ahrer Eva-Maria	Aligned vs misaligned hot Jupiters as a planet formation testbed: First look at JWST NIRSpec/G395H observations of three exoplanets
9:20	9:35	Blake (Tze-En) Chang	Applying Neural Network-Based Emulator of non-LTE Radiative Transfer on Stellar Activity
9:35	9:50	Yip Kai Hou	Lessons learnt from engaging the global ML community through the Ariel Data Challenge.
9:50	10:05	Johnston Heather	The rise and fall of the giant planet occurrence rate
10:05	10:15	Hannah Wakeford	Announcement from Hubble User Committee
<i>10:15 10:45 Coffee</i>			
		CHAIR: Ed Gillen	
10:45	11:05	Williams Joe	Pebble drift in HD 163296 - Constraining the mass of dust and ice reaching the terrestrial planet formation region
11:05	11:20	Yang Jingxuan	Evidence of Ammonia in the Atmosphere of WASP-43b
11:20	11:35	Kerins Eamonn	The Roman Galactic Exoplanet Survey
11:35	11:50	O'Sullivan Niamh	Enhancing Exoplanet Detection: Tackling Supergranulation in Earth-Twin Surveys
11:50	12:05	Grant David	Identifying and locating cloud species from their mid-IR vibrational mode absorption
<i>12:05 13:45 Lunch</i>			
		CHAIR: Annelies Mortier	
13:45	14:00	Anna John Ancy	The significance of mitigating stellar activity in the search for Earth twins.
14:00	14:15	Chen Xueqing	Mapping atmospheric structures on the nearest brown dwarfs
14:15	14:30	Dash Spandan	Using high resolution cross correlation spectroscopy to probe oxygen fugacity regimes in lava ocean worlds
14:30	14:45	Elms Abigail	Oldest white dwarf planetary systems in the Galaxy
14:45	15:00	Heinke Linus	Characterizing the Atmosphere of the Warm Sub-Saturn Exoplanet HAT-P-12b with JWST
15:00	15:15	Hooton Matthew	A first look at the atmospheres of three planets with a compact system with JWST/NIRSpec
15:15	15:30	Mortier / Triaud	Final comments and festive announcements
<i>15:30 16:30 Coffee</i>			