

# Talk Schedule

Day 1: Monday 12 September			
Start	End	Title	Presenter
09:00	09:10	Arrival and Welcome	
09:10	09:30	<b>Highlight talk -- Multi-dimensional GP models for stellar activity: lessons from HARPS-South</b>	Haochuan Yu
09:30	09:45	Refining Planetary Architectures and Characterising Surface Stellar Variability of WASP-166 and WASP-131 with ESPRESSO	Lauren Doyle
09:45	10:00	Detection of planetary signals in cases of extreme stellar activity	Oscar Barragán
10:00	10:15	Forecasting stellar activity for better exoplanet detection and characterisation	Lalitha Sairam
10:15	10:30	Photometric and spectroscopic stellar granulation signals as revealed by CHEOPS and ESPRESSO	Heather Cegla
10:30	11:10	Break	
11:10	11:30	<b>Highlight talk -- Diving into the AU Mic system: Planet masses- stellar activity and star-planet interactions</b>	Baptiste Klein
11:30	11:45	Recovering the structure of edge-on debris disks non-parametrically	Yinuo Han
11:45	12:00	Imprints of birth: how the birth cluster effects planetary architecture	Christina Schoettler
12:00	12:15	Planet formation around Circumbinary Stars	Gavin Coleman
12:15	13:40	Lunch	
13:40	14:00	<b>Highlight talk -- JWST Early Release Science: Exoplanet transit spectroscopy with NIRCam</b>	Eva-Maria Ahrer
14:00	14:15	Tantalising signs of H <sub>2</sub> O in the cloudy atmosphere of a warm Neptune from High-Resolution Spectroscopy	Spandan Dash
14:15	14:30	JWST Early Release Observation: A detailed look at the atmosphere of WASP-96b	Jake Taylor
14:30	14:45	<b>Spin-orbit alignment from transit photometry: the case for multi-colour observations</b>	Matthew Hooton
14:45	15:00	Carbon monoxide emission lines reveal an inverted atmosphere in the ultra hot Jupiter WASP-33 b and indicate an eastward hot spot	Lennart van Sluijs
15:00	15:40	Break	
15:40	16:00	<b>Highlight talk -- A Search for Longer-Period Transiting Exoplanets with TESS and CHEOPS</b>	Amy Tuson
16:00	16:15	SPECULOOS - Hunting for planets of very low-mass stars	Daniel Sebastian
16:15	16:30	Planet Hunters NGTS: No Planet Left Behind in the Next Generation Transit Survey	Sean O'Brien
16:30	16:45	Understanding long period planets with TESS and NGTS	Samuel Gill
16:45	17:00	Introducing Nomads- an observing program uncovering the origin of remnant planets in the hot Neptunian Desert	Ares Osborn
20:00	23:00	Ceildh at St. Columba's Hall, 14 Johnstone Terrace (right off the Royal Mile)	
Day 2: Tuesday 13 September			
Start	End	Title	Presenter
09:00	09:15	A miscellany of misalignments for planets transiting cool stars	Vedad Kunovac
09:15	09:30	Characterising the internal structures of small exoplanets with CHEOPS	Thomas Wilson
09:30	09:45	TOI-544b: a new small planet inside the radius valley	Hannah Osborne
09:45	10:00	Determining the occurrence rate of giant planets orbiting low-mass stars	Edward Bryant
10:00	10:15	The Antarctic Search for Transiting Exoplanets	Georgina Dransfield
10:15	10:30	Current Status of the PLATO Mission	Don Pollacco
10:30	11:10	Break	
11:10	11:30	<b>Highlight talk -- Detecting Biosignatures of Nearby Rocky Exoplanets: Simulations of High Spectral Resolution Observations with the ELTs</b>	Sophia Vaughan
11:30	11:45	Detecting planetary mass companions near the water frost-line using JWST interferometry	Shrishmoy Ray
11:45	12:00	CRRES+: Performance assessment for exoplanet spectroscopy	Måns Holmberg
12:00	12:15	The Impact of Various Modelling Assumptions on the Significance of High Resolution Cross Correlation Detections	Mitchell Young
12:15	12:25	Extreme Precision Radial Velocity discussion session pitch	Annelies Mortier, Heather Cegla
12:25	13:45	Lunch	
13:45	14:45	Parallel "Unconference" poster sessions, part 1	
		Atmospheres: Modeling	JCMB 4325A
		Planet Formation	JCMB 4325B
		Direct Imaging / White Dwarfs	JCMB 4325C
		Extreme Precision Radial Velocity discussion session	JCMB 5326
		Evaporation / Atmospheric Escape	JCMB 5327
14:45	15:45	Break	
15:45	16:45	Parallel "Unconference" poster sessions, part 2	
		Lightcurves and Transit Spectroscopy	JCMB 4325A
		Retrieval	JCMB 4325B
		TESS	JCMB 4325C
		Discs, Habitability and Tides	JCMB 5326
		Stellar Parameters / Activity	JCMB 5327
18:00	20:00	Conference picnic dinner in front of JCMB	
Day 3: Wednesday 14 September			
Start	End	Title	Presenter
09:00	09:15	The extreme S-type binary planetary system DMPP-3	Adam Stevenson
09:15	09:30	Understanding planet formation through TOI-757 b- the eccentric transiting mini-Neptune discovered by TESS	Ahlam Alqasim
09:30	09:45	Characterising planets around iron-poor stars with HARPS-N	Annelies Mortier
09:45	10:00	Radial velocity and simultaneous magnetic field measurements via Multi-Mask Least-Squares Deconvolution	Florian Lienhard
10:00	10:15	A.C.I.D (Accurate Continuum fitting and Deconvolution) - An improved LSD technique for Rossiter-McLaughlin analysis	Lucy Dolan
10:15	10:30	Transmission strings: spatially resolving transmission spectra of exoplanet atmospheres around their terminators	David Grant
10:30	11:10	Break	
11:10	11:30	<b>Highlight talk - Using polluted white dwarfs to probe the bulk composition of exoplanets</b>	Laura Rogers
11:30	11:45	A White Dwarf Accreting Planetary Material Determined from X-ray Observations	Tim Cunningham
11:45	12:00	Can Gaia find planets around white dwarfs?	Hannah Sanderson
12:00	12:15	Understanding hot Jupiter atmospheric diversity with a large grid of 3D models	Alexander Roth
12:15	13:40	Lunch	
13:40	14:00	<b>Highlight talk -- Photoevaporation of Water Dominated Exoplanet Atmospheres</b>	Laura Harbach
14:00	14:15	Towards Coupled Modelling of the Biosphere and Atmosphere for the Archean Earth and similar exoplanets	Jake Eager-Nash
14:15	14:30	Inward transport of comets as a source of habitable zone dust	Jessica Rigley
14:30	14:45	Mineralogical limits to water budgets on rocky planets	Claire Guimond
14:45	15:00	Bayesian Network Analysis of Science Fiction Exoplanets	Emma Puranen
15:00	15:40	Break	
15:40	16:00	<b>Highlight talk -- A deep radius valley with Kepler short cadence data</b>	Cynthia Ho
16:00	16:15	The impact of stellar flares on the atmospheric composition of tidally locked terrestrial exoplanets	Robert Ridgway
16:15	16:30	Towards non-LTE Retrieval of Exoplanet Atmospheres	Sam Wright
16:30	16:45	Orbital influence on the 3-D atmospheric chemistry of Earth-like exoplanets	Marrick Braam