

Exoplanet detection, characterisation, occurrence rates, architecture & population studies Schedule

Talks

Thursday 16h15-17h45

16h15: Welcome

16h20 (Invited): Introduction and Overview on exoplanet detection and characterization
(*George Dransfield*)

16h35: The radial velocity discovery of BEBOP-5b, a circumbinary planet orbiting a binary containing an evolved primary. (*Aleya Adamson*)

16h47: Bridging the Gap to Gaia DR4: Discovering and Characterising Long-Period Transiting Exoplanets with TESS and NGTS (*Amber Sedgley*)

16h59: The PLATO Exoplanet Analysis System: what will PLATO tell you about exoplanets? (*Don Pollacco*)

17h11: Introducing ExTEMPO – Exposure Time Evaluation for Mitigation of P-mode Oscillations
(*Brandon Rajkumar*)

17h23: The MANGOS programme delivers five new giant planets orbiting low-mass stars.
(*Mathilde Timmermans*)

17h35: Poster pops

Friday 09h00-10h30

09h00 (Invited): Introduction and Overview on exoplanet occurrence rates, architecture and population studies (*Dan Bayliss*)

09h15: A comprehensive search for exoplanets around young stars (*Gabriel Consolini*)

09h27: Automatic search for transiting planets in TESS with RAVEN: Over 100 newly validated planets (*Marina Lafarga Magro*)

09h39: Occurrence Rates of Close-in Planets and the Neptunian Desert Across Stellar Types from TESS (*Kaiming Cui*)

09h51: Orbital Decay of Hot Neptunes with NGTS (*Isobel Lockley*)

10h03: What Will Gaia DR4 Reveal About Known Exoplanet Systems? (*Cameron Kelahan*)

10h15: Discussion

Posters

- An Update on the SPECULOOS Survey: Hunting Small Planets Around the Coolest Stars
(*Mathilde Timmermans*)
- Optimising Small Telescopes for Small Exoplanet Observations (*David Arnot*)

- A Non-Stationary Gaussian Process for Modelling Stellar Activity in Exoplanet Detection (*Valentina Tardugno*)
- Finding hidden long-period planets with TESS (*Toby Rodel*)
- ESSP 4: benchmarking stellar variability mitigation with solar data (*Federica Rescigno*)
- Probing the cold planet regime with two new transiting planets from TESS (*Maddy Scott*)
- Comparing telluric removal methods in their capability to recover injected exoplanet atmosphere signals with high resolution emission spectroscopy (*Marcelo Aron Fetzner Keniger*)
- A Bayesian approach to the detection sensitivity of exoplanets in radial velocity data. (*Aleyna Adamson*)
- Constraining Wide Companions to 18 close-in Neptunian Exoplanets using Combined Datasets (*Fintan Eeles-Nolle*)
- Planet Hunting with Machine Learning (*Sofia Platymesi*)
- Predicting and Purging PLATO's Planet Pretenders with RAVEN (*Sophie Edley*)
- Missed or Missing? Searching for circumbinary planets in TESS (*Jenni French*)
- Decoding the radius valley with young planets (*Cynthia Ho*)