



**5th Scottish
Exoplanet & Brown Dwarf
Community Meeting**

27th October 2017

Institute for Astronomy
University of Edinburgh



PROGRAMME

10:00 Arrival and Welcome Coffee in the IfA Rooftop Gallery

10:30 Welcome from Beth & Christiane

Morning Session. Chair: Beth Biller

10:30 Pop-up Session 1:

Beth Biller, Aurora Sicilia-Aguilar, Nedyalka Panova & Craig Stark

10:50 Kirstin Hay

Stellar limb darkening for exoplanet transits with Neural Networks

11:10 Clemence Fontanive

Brown Dwarf Binary Properties as a Function of Age

11:30 Mariangela Bonavita

Orbiting a binary: SPHERE characterization of the HD 284149 system

11:50 Duncan Forgan

Automatic Characterisation of Individual Spiral Arms in Protostellar Disc Simulations

12:10 Jasmina Bleicic

Assessing Exoplanetary 3D Thermal Structure using 1D retrieval

12:30 Lunch

Afternoon Session. Chair: Christiane Helling

14:00 Pop-up Session 2:

Christiane Helling, Soko Matsumura, Ken Rice, Paul Palmer

14:20 Adam Burgasser

Radius Inflation among the Lowest Mass Stars

14:40 Annelies Mortier

Characterising the smallest planets: Solar observations with HARPS-N

15:00 Johanna Vos

Testing the Effect of Viewing Angle on the Observed Colours and Variability Amplitudes of Brown Dwarfs and Exoplanet Analogues

15:20 Nicole Schanche

Finding Transit Candidates using Machine Learning

15:40 Will Robson Rocha

Assessing input data for modelling the chemistries of planets, brown dwarfs and planet-forming disks

16:00 Farewell Coffee

16:30 End of Meeting