

MORNING SESSION | 10:30 - 11:55 (1 hour 25 minutes) Chair Ray Pierrehumbert

10:30 - 10:40 Introduction by Ray Pierrehumbert

10:40 - 11:10 **KEYNOTE** Mark Hammond (Oxford, UK) - Atmospheric dynamics of the lava world K2-141b

11:10 - 11:25 Contributed 1: Denis Sergeev (Exeter, UK) - Dichotomy of the atmospheric circulation on TRAPPIST-1e

11:25 - 11:40 Contributed 2: Jun Yang (Peking, China GMT+8) - The simulation of cloud convection

11:40 - 11:55 Contributed 3: Giang Nguyen (York, Canada GMT-5) - UV impact on lava worlds atmospheres

11:55 - 12:30 LUNCH (35 min)

AFTERNOON SESSION 1 | 12:30 - 14:00 (1 hour 30 minutes) Chair Hannah Wakeford

12:30 - 13:00 **KEYNOTE** Emeline Bolmont (Geneva, Switzerland GMT+1) - Understanding the runaway greenhouse transition using 3D modeling

13:00 - 13:15 Contributed 4: Xianyu Tan (Oxford, UK) - Convection Modeling of Condensable-rich Atmospheres

13:15 - 13:30 Contributed 5: Anjali Piette (Carnegie, USA GMT-5) - Retrievals on thermal emission spectra from JWST

13:30 - 14:00 **KEYNOTE:** Erin May (JHU APL, USA GMT-5) - 3D studies of atmospheric variability on subNeptunes and terrestrial planets

14:00 - 14:15 COFFEE (15 min)

AFTERNOON SESSION 2 | 14:15 - 15:35 (1 hour 20 minutes) Chair Nathan Mayne

14:15 - 14:30 Contributed 6: Matthew Nixon (Cambridge, UK) - How deep is the ocean? Water-rich Neptune worlds

14:30 - 14:45 Contributed 7: Xinting Yu (UCSC, USA GMT-8) - Chemical disequilibrium and atmospheric evolution of Neptune-worlds

14:45 - 15:00 Contributed 8: Neil Lewis (Oxford, UK) - Rotational and divergent components of winds, geopotential, and temperature on tidally locked terrestrial exoplanets.

15:00 - 15:30 **KEYNOTE:** Tad Komacek (UMD, USA GMT-5) - The effects of clouds on observable properties of temperate rocky exoplanets

15:30 - 15:35 End goodbye