



# IAU Symposium No. 253 Oral Program



Start Talk  
Time ID  
800

**Monday, May 19, 2008**

## REGISTRATION & BREAKFAST

- 910 1 **Introductory review on transiting planets** (D. Charbonneau)  
1000 2 **The ground based searches for transiting planets - an overview** (T. Mazeh)  
1040 **BREAK**  
1110 3 Transiting planets with HATNet (G. Bakos)  
1130 4 The WASP transit surveys (A. Cameron)  
1150 5 The MEarth project: searching for transiting habitable super-Earths around nearby M-dwarfs (J. Irwin)  
1210 **LUNCH & POSTER**  
1400 6 Transiting Planets in the Galactic Bulge - Implications (K. Sahu)  
1420 7 Transits against Fainter Stars: The Power of Image Deconvolution (P. Sackett)  
1440 8 Variability characterization of stellar fields with BEST and BEST II (P. Kabath)  
1500 9 Predicting the Yields of Photometric Surveys for Transiting Extrasolar Planets (T. Beatty)  
1520 **BREAK**  
1550 10 **The Corot mission** (A. Baglin)  
1630 11 CoRoT-Exo-1b: The first planet discovered from space (P. Barge)  
1650 12 A quest for the secondary eclipse of CoRoT-Exo-2b, and a study of its transit timing variations (R. Alonso)  
1710 13 Properties of starspots on CoRoT-Exo-2 (A. Silva-Valio)  
1730 14 Statistical analysis of transit surveys and application to CoRoT (F. Fressin)  
1750 End of the day sessions

**Tuesday, May 20, 2008**

## REGISTRATION & BREAKFAST

- 800  
900 15 **Measuring accurate transit parameters** (J. Winn)  
940 16 Characterizing the Eccentricities of Transiting Extrasolar Planets with Kepler and CoRoT (E. Ford)  
1000 17 Pushing the precision limit of ground-based transit photometry (M. Gillon)  
1020 **BREAK**  
1050 18 **Radial velocity follow-up observations** (F. Bouchy)  
1140 19 Recent results for follow-up observations of transiting planets with the Euler Swiss telescope (D. Queloz)  
1200 20 The Rossiter-McLaughlin Effect and a Possible Spin-Orbit Misalignment in HD17156b (N. Narita) (TB confirmed)  
1220 **LUNCH & POSTER**  
1400 21 Precision radial velocities of double-lined binary stars and the spectroscopic follow-up of circumbinary transiting planet candidates (M. Konacki)  
1420 22 The Keck eta\_Earth project (A. Howard)  
1440 23 Towards the characterization of the Hot-Neptune/Super-Earth population around nearby bright stars (C. Lovis)  
1500 24 A ~5 M\_earth Super-Earth Orbiting GJ 436 (I. Ribas)  
1520 25 The puzzling eccentricity of GJ 436b : a case of multi-techniques follow-up observations (X. Bonfils)

- 1540 **BREAK**  
1610 26 The HARPS/Laser-Comb spectrometer: Understanding super-Earth geochemistry (D. Sasselov)  
1630 27 Precision Radial Velocities in the Near Infrared with TEDI (J. Loyd)  
1650 28 **Summary of MOST observations of transiting planets (J. Matthews)**  
1730 29 Observations of bright transiting exoplanets with the MOST satellite (J. Rowe)  
1750 End of the day sessions

## Wednesday, May 21, 2008

### 800 REGISTRATION & BREAKFAST

- 900 30 **Interior and structure of giant planets (T. Guillot)**  
940 31 Probing the Interiors of Very Hot Jupiters Through Transit Timing (A. Wolf)  
1000 32 **Interiors of solid planets and Super Earths (R. O'Connell)**  
1040 **BREAK**  
1110 33 Effects of oxidation on building rocky planets: from Mercury to a coreless terrestrial exoplanet (L. Elkins-Tanton)  
1130 34 The range of atmospheric mass and composition for super Earths (S. Seager)  
1150 35 **Understanding the formation of close-in planets (W. Benz)**

### 1230 LUNCH & POSTER

- 1400 36 What to Expect from Transiting Multiplanet Systems (D. Fabrycky)  
1420 37 Planetary dynamics in multi-star systems (G. Takeda)  
1440 38 Tides and hot Jupiters (Y. Wu)  
1500 39 On The Origins Of Eccentric Close-in Planets (S. Matsumura)

### 1520 BREAK

- 1550 40 **Detecting planet emerging flux: overview of Spitzer results (D. Deming)**  
1630 41 Transits and secondary eclipses of HD 189733 with Spitzer (E. Agol)  
1650 42 Exoplanet spectroscopy at the tipping point (M. Swain)  
1710 43 The Effects of Tides on Planetary Transits (B. Jackson)  
1730 44 Eccentric Transiting Planets (G Laughlin)  
1750 end of the day session

## Thursday, May 22, 2008

### 800 REGISTRATION & BREAKFAST

- 900 45 **The planet atmosphere and exosphere: Emission and transmission spectroscopy (G. Tinetti)**  
940 46 Spectrum and atmosphere models of irradiated transiting extrasolar giant planets (I. Hubeny)  
1000 47 Two Classes of Irradiated Atmospheres: A Unified Theory for the Atmospheres of the Hot and Very Hot Jupiters (J. Fortney)  
1020 48 Characterizing the Atmospheres of Hot Jupiters: From Spectra to Multi-Color Maps (H. Knutson)

### 1040 BREAK

- 1110 49 The Atmospheres of Extrasolar Super-Earths (E. Miller-Ricci)  
1130 50 **Dynamics of heavy irradiated atmospheres (A. Showman)**  
1210 51 3D Coupled Radiative Hydrodynamical Simulations of Irradiated Planetary Atmospheres (I. Dobbs-Dixon)

### 1230 LUNCH & POSTER

- free afternoon*  
1800 Symposium dinner

## Friday, May 23, 2008

800

### REGISTRATION & BREAKFAST

900 52 **Thermosphere, exosphere and planet evaporation (A. Lecavelier)**

940 53 Energetic neutral atoms as the explanation for the high velocity hydrogen around HD 209458b (M. Holmstrom)

1000 54 **The Kepler mission (B. Borucki)**

1040

### BREAK

1110 55 The NASA EPOXI Mission of Opportunity to Gather Ultraprecise Photometry of Known Transiting Exoplanets (J. Christiansen)

1130 56 **Asteroseismology, a tool for transit studies (H. Kjeldsen)**

1210

### LUNCH & POSTER

1400 57 Serendipitous Detection of Transiting Planets in Future Synoptic Surveys (S. Gaudi)

1420 58 The Pan-Planets Project - A massive Search for Hot Jupiters (C. Afonso)

1440 59 **Prospects for Transits From Space: Detailed Characterization and Future Surveys (C. Beichmann)**

1520 60 Transiting Exoplanet Survey Satellite [TESS] (G. Ricker)

1540 **Summary and end of the symposium**