

Tuesday, April 25, 2017  
**EXOPLANETS: HABITABILITY:  
FORMATION OF HABITABLE AND “EARTH-LIKE” PLANETS I  
2:30 p.m. Arizona Ballroom D**

**Chair: Cayman Unterborn**

- 2:30 p.m. Mulders G. D. \* Pascucci I. Apai D. Ciesla F. J. O'Brien D. P.  
[Constraining Planet Formation Models from the Kepler Exoplanet Population](#) [#3574]  
We use the Kepler exoplanet population to constrain the different planet formation models, with a focus on constraining the composition of Earth-like planets.
- 2:45 p.m. Ward-Duong K. \* Patience J. De Rosa R. Bulger J. Rajan A. Goodwin S. Parker R. J. McCarthy D. Kulesa C. van der Plas G. Menard F. Pinte C. Jackson A. P. Bryden G. Turner N. Harvey P. M. Hales A.  
[Stellar Multiplicity and the Planet-Forming Potential of Low-Mass Stars](#) [#3707]  
We present two surveys investigating: (1) the binary fraction of field M-dwarf stars, and (2) the dust content of protoplanetary disks around young M-stars.
- 3:00 p.m. Patience J. \* Macintosh B. Graham J. Kalas P. Fitzgerald M. GPIES Team  
[Gemini Planet Imager Exoplanet Survey \(GPIES\) Overview and Highlights](#) [#3753]  
An overview of the Gemini Planet Imager Exoplanet Survey scope, current detection limits, and initial results will be presented.
- 3:15 p.m. Pascucci I. \* Allen L. Apai D. Bergin T. Ciesla F. Eisner J. Fang M. Kim S. Krijt S. Najita J. Rieke G. Salyk C.  
[Earths in Other Solar Systems: Fundamental Disk Properties and Their Evolution](#) [#3511]  
We will discuss recent results from our Earths in Other Solar Systems interdisciplinary exoplanet research program, with focus on fundamental disk properties.
- 3:30 p.m. Anderson C. M. \* Samuelson R. E. Nna-Mvondo D. McLain J. L. Flasar F. M.  
[The Chemical Characteristics of a Terrestrial-Like Planet at Titan's Distance](#) [#3212]  
We use Titan as an example of a terrestrial-like exoplanet to show that the organic chemistry in such an atmosphere is inevitable at a Titan-sun distance.
- 3:45 p.m. *Coffee Break*