

**The Next 40 Years of Exoplanets**  
**Friday May 27, 2011**  
**MIT E14 6<sup>th</sup> floor**

**Within each session, each speaker will talk for about 10 minutes, followed by a 30 minute joint Q&A and discussion.**

**Online participants can join in the questions via**  
<http://todaysmeet.com/next40exo>

**8:30 – 9:00 am Coffee**

**9:00 am – 10:00 am “Out of the Shadows”**

Prof. Dave Charbonneau (Harvard University) “Retrospective and Forward Look”  
Dr. Drake Deming (NASA/GSFC) “Finding the Key Atmospheres, and Beyond”  
Prof. Vikki Meadows (U. Washington) “The Future of Terrestrial Exoplanet Modeling”

**10:00 am – 11:00 am “Stars and Planets Within our Reach”**

Prof. Geoff Marcy (UC Berkeley) “Hidden Challenges”  
Dr. Shawn Murphy (Draper Labs) “A Future for Space Science Missions”  
Prof. Sara Seager (MIT) “The Legacy of Exoplanets around the Nearest Stars”

**11:00 am – 11:30 am Coffee Break**

**11:30 am – 1:00 pm “The Census and Discovery of Earths”**

Prof. Natalie Batalha (San Jose State U.) “Kepler Status and Prospects”  
Matt Smith “ExoplanetSat”  
Dr. Matt Mountain (Director, STScI) “Exoplanets, JWST , and TPF”

**1:00 pm – 2:00 pm Lunch**

**2:00 pm – 3:00 pm “Life, the Universe, and Everything”**

Prof. Dimitar Sasselov (Harvard) “Exoplanets and the Origin of Life”  
Dr. William Bains (MIT and Rufus Scientific) “New Life and New Civilizations: Exoplanets and Astrobiology”

**3:00 pm – 4:00 pm “Dreams for the Future”**

A series of very short potential results/vision from the distant future.

**4:00 pm – 4:30 pm Coffee Break**

**4:30 pm – 5:30 pm “Can we Shape the Future?”**

Dr. Lisa Kaltenegger (MPIA) “Exoplanet Characterization 2050”  
Becky Jensen-Clem (MIT) “Exoplanet Science 2050”  
Mary Knapp (MIT) “Exoplanet Space Missions 2050”  
Dr. John Grunsfeld (Associate Director and Former Astronaut, STScI) “Exoplanets: Connections to Earth and the Future”