

The Next 40 Years of Exoplanets
Friday May 27, 2011
MIT E14 6th 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”