

THE SEARCH FOR EARTH 2.0



Image credit: Courtesy NASA/JPL-Caltech

DR. SARA SEAGER

*Class of 1941 Professor of Planetary Science and Physics
Massachusetts Institute of Technology (MIT)*

**WEDNESDAY
APRIL 29, 2015
8 P.M., CFA HALL**

Reception and telescope viewing at the
Van Vleck Observatory following the lecture

For thousands of years, people have wondered, “Are we alone?” Astronomers have now ascertained, statistically speaking, that every star in our Milky Way Galaxy should have at least one planet. Now for the first time in human history, current technology puts us on the verge of being able to search for planets like Earth that may have suitable conditions for life. Professor Seager, a pioneer in the vast and unknown world of exoplanets (planets that orbit stars other than the Sun), will describe the science and technology behind the search for Earth 2.0. Her groundbreaking research ranges from the detection of exoplanet atmospheres to innovative theories about life on other worlds to development of novel space mission concepts.