Sara Seager

Professor of Planetary Science, Physics, and Aerospace Engineering at Consulate General of Canada (CTA Boston)

Cambridge, MA, US

Sara Seager is an astrophysicist and planetary scientist, and is an expert in theory, computation, and data analysis of exoplanets.

Biography

Sara Seager is an astrophysicist and planetary scientist at MIT. Her science research focuses on theory, computation, and data analysis of exoplanets. Her research has introduced many new ideas to the field of exoplanet characterization, including work that led to the first detection of an exoplanet atmosphere. Professor Seager also works in space instrumentation and space missions for exoplanets, including CubeSats, as a co-investigator on the MIT-led TESS, a NASA Explorer Mission to be launched in 2017, and she chaired the NASA Science and Technology Definition Team for a ?Probe-class? Starshade and telescope system for direct imaging discovery and characterization of Earth analogs. Before joining MIT in 2007, Professor Seager spent four years on the senior research staff at the Carnegie Institution of Washington preceded by three years at the Institute for Advanced Study in Princeton, NJ. Her PhD is from Harvard University. Professor Seager is on the advisory board for Planetary Resources. Professor Seager was elected to the National Academy of Sciences in 2015, is a 2013 MacArthur Fellow, the 2012 recipient of the Raymond and Beverly Sackler Prize in the Physical Sciences, and the 2007 recipient of the American Astronomical Society?s Helen B. Warner Prize. She has been widely recognized in the media, most recently in Time Magazine?s 25 Most Influential in Space in 2012.

Industry Expertise

Research

Areas of Expertise

Exoplanet Habitable Zones, Exoplanet Atmospheres, Exoplanet Interior Composition

Education

Harvard University
Ph.D.

University of Toronto
B.Sc.

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