

**Lecture:**



# **Mars Science Laboratory: The Curiosity Rover at 1 year.**

*By Dr. Sarah Milkovich (JPL)*

**Wednesday January 22<sup>nd</sup>, 2014**

**7:30pm in the Times Mirror room at NHMLAC**



Dr. Sarah Milkovich is a planetary geologist and a systems engineer at NASA's Jet Propulsion Laboratory. She works on spacecraft science operations, at the point where science and engineering meet. Sarah was the science operations systems engineer for Mars Science Laboratory (the Curiosity rover) where she focused on maintaining and improving the science planning process and supporting the science team as they plan the rover's daily activities. Sarah is currently the Investigation Scientist for the HiRISE (High Resolution Imaging Science Experiment) camera on Mars Reconnaissance Orbiter, and the science systems engineer for the Mars 2020 Rover which is currently in development. She has won JPL and NASA team awards for her efforts to return the best possible science within spacecraft engineering constraints.

Sarah received her B.S. in planetary science from Caltech, and her M.S. and Ph.D. from Brown University in planetary geology with studies of mountain glaciers and polar deposits on Mars, and volcanism on Mercury. Sarah joined JPL in 2005 as a postdoctoral research fellow, studying Martian ice deposits using images, radar, and topography. In 2008, Sarah became a science planning systems engineer. She was a member of the surface operations team for Mars Phoenix during the summer of 2008, and the science planning team for the Cassini-Huygens Mission at Saturn from 2008-2012. Sarah's scientific research continues to focus on the geological history of the polar deposits of Mars.

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Ample free parking is available in the new Museum Car Park at the corner of Exposition Blvd. and Bill Robertson Drive (NW corner of the NHM building). Enter the parking lot from Bill Robertson Drive and enter museum through the staff entrance at the SW corner of the building. The lecture is free, but because of limited space, reservations are necessary.

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