



Eastbay Astronomical Society Presents

When: Saturday, April 20, 7:30 – 9:30PM

Where: Chabot Space and Science Center; Room: Hauben Room

Join us for our free monthly presentation on the latest in Astronomy! Along with our featured speaker, we will be giving away door prizes to a lucky few, as well as snacks and drinks to taste. Our library will be opened up after the meeting as well, and of course, weather permitting, there will be free telescope viewing on the decks.

“Magnetism, Space Weather, and Climate Evolution at Mars”

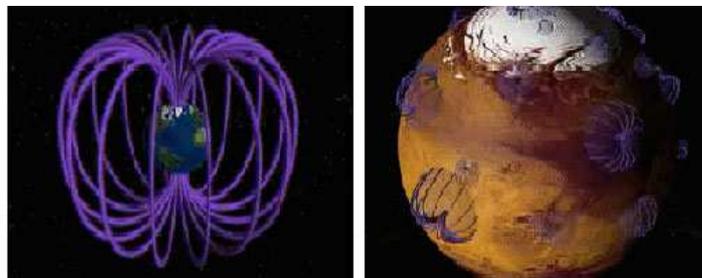
Matthew Fillingim

Abstract of Lecture

Did you know that Mars **does not** have a planet-wide magnetic field?

Did you know that it **does** have odd traces of magnetic fields at certain points along its crust?

On Earth, our magnetic field helps to protect us and our atmosphere from the Sun's radiation and solar wind. Without such a shield for itself, how has this influenced Mars and its climate? Matt will go into some detail on the latest research into Mars' climate and its interaction with the solar wind, and theories on what happened to Mars' magnetic field and in turn what happened to its atmosphere.



Biography of Speaker

Matt is currently an Assistant Research Physicist in the Space Physics Research Group at the Space Sciences Laboratory at the University of California, Berkeley. His research focuses on space plasma physics, particularly ionospheric, auroral, and magnetospheric physics.

Sometimes he runs.

<http://sprg.ssl.berkeley.edu/matt/>

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