KAVLI INSTITUTE FOR THEORETICAL PHYSICS

Presents

The Fifty-Seventh KITP Public Lecture

Sponsored by Friends of KITP

Brad Marston

The Quantum Physics of Global Warming

Quantum physics plays a crucial role in determining the climate of the Earth and other planets. Richard Feynman's famous double slit experiment gives us the key to understanding climate and how it is changing. Professor Marston will use this physics to present a picture of what will happen to the Earth as the concentration of greenhouse gases such as carbon dioxide continue to increase in our atmosphere. He will also discuss ways that research at the KITP is contributing to a better understanding of climate change.

About the Speaker

BRAD MARSTON joined the Brown Physics Department in 1991. A graduate of Caltech, he received his Ph.D. from Princeton University in 1989. He did postdoctoral work at Cornell University and was a visiting scientist at the Institute for Theoretical Physics at UC Santa Barbara, a visiting professor at MIT, and a visiting associate at Caltech. Prof. Marston is an Alfred P. Sloan Fellow and a recipient of a National Young Investigator Award from the National Science Foundation. In 2008, he was designated a NSF American Competitiveness and Innovation Fellow.

Brad enjoys hiking, backpacking, and daily yoga practice. He lives with his wife and daughter in Rhode Island where the bay, islands, and garden rocks that they dig up each year point to the fact that 20,000 years ago New England was buried under a mile of ice.

Wednesday June 18, 2014

8:00 PM (reserved seats held until 7:50 PM)

Kavli Institute for Theoretical Physics, Main Seminar Room

Admission is Free

RSVP for Reserved Seating

by June 16, 2014

at:

http://www.kitp.ucsb.edu/public-lecture-rsvp

or call

(805) 893-6363

Reserved seats are held until 7:50 PM

To make special arrangements to accommodate a disability, call the KITP at the number above.

LOT 10 PARKING

From the roundabout at Hwy 217, turn right onto Mesa Rd, merge into the left lane, and turn left at the first light into Lot 10 parking structure. **PARK**, **BUY a $4 permit** from the dispenser (near the elevator and stairs), and **DISPLAY PERMIT** on dashboard. The KITP is right next door in Kohn Hall.

The KITP gratefully acknowledges its many friends in the community.

KITP Public Lecture Series