

The Lunar and Planetary Institute Presents

# COSMIC EXPLORATIONS: A SPEAKER SERIES

May 19, 2011

## *CLIMATE CHANGE IN THE LAST MILLION YEARS: A BASELINE FOR THE FUTURE*

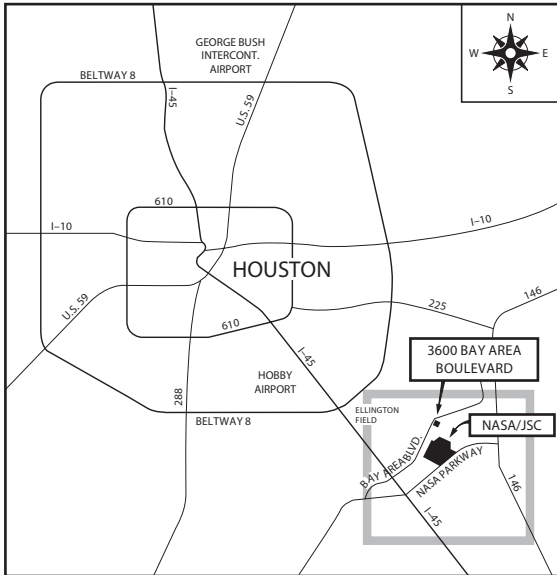
The evolution of Earth's climate from 1 million years ago to today has been marked by large swings in average temperature, rainfall patterns, ice volume, and sea level. While this period is largely defined by relatively slow changes in climate, paced by changes in Earth's orbit, it also contains very large climate changes on timescales of years to decades. The most information about greenhouse gases comes from this time period, and is useful in estimating human impact on Earth's climate. Dr. James White from the University of Colorado at Boulder concludes LPI's Cosmic Explorations Speaker Series — "Changing Climates in the Solar System" — with an examination of the paleo-environmental records and theories of the drivers behind the observed changes.

This FREE presentation at 7:30 p.m. is intended for inquisitive adults and will be followed by a light reception and an opportunity to meet Dr. White.

Groups should plan to carpool; parking at the LPI is limited.

Speaker presentations held at  
USRA's Lunar and Planetary Institute  
3600 Bay Area Boulevard, Houston TX  
(entrance on Middlebrook Drive)

For more information, please call  
281-486-2163 or visit  
[www.lpi.usra.edu/education/lectures](http://www.lpi.usra.edu/education/lectures)



# MAP OF BAY AREA HOUSTON

WITH SPECIAL EMPHASIS ON SITES OF PARTICULAR INTEREST TO WORKSHOP AND CONFERENCE PARTICIPANTS.

The Universities Space Research Association is located at 3600 Bay Area Boulevard (enter from Middlebrook Drive).

