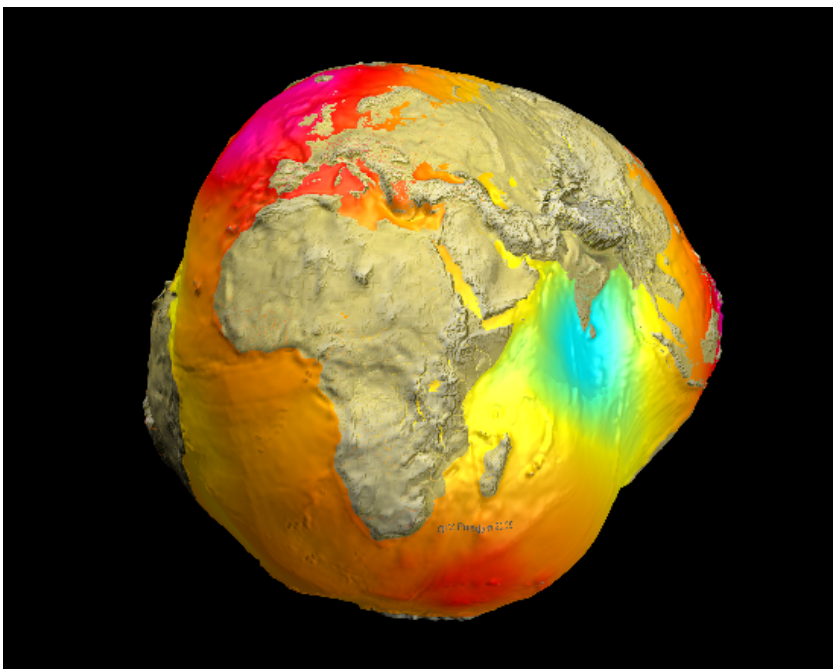


GRAVITY!

A Dominant Force in the Universe

2012 Geodynamics Seminar Series

Tuesdays: 1:30 – 2:30 p.m.
Carriage House, Quissett Campus, WHOI



The lumpy, bumpy gravity field of Earth

SPEAKER SCHEDULE

Date	Seminar Speaker	“Title” or Topic
February 7	David Sandwell Scripps Institution of Oceanography University of California, San Diego	“Global Gravity and Plate Tectonics”
February 14	Jian Lin Department of Geology & Geophysics Woods Hole Oceanographic Institution	“Gravity, Mid-ocean Ridges, and Hotspots”
February 21	Maria Zuber Department of Earth, Atmospheric, and Planetary Science Massachusetts Institute of Technology	"Interior structures of Mercury and the Moon from MESSENGER and GRAIL Gravity"
February 28	Victor Zlotnicki Jet Propulsion Laboratory California Institute of Technology	“The Gravity Field and Ocean Circulation”
March 6	Robin Bell Lamont-Doherty Earth Observatory Columbia University	“Gravity Insights from Beneath the Ice Sheets”
March 13	Steve Nerem Department of Aerospace Engineering Sciences and the Colorado Center for Astrodynamics University of Colorado at Boulder	"Applications of Satellite Gravity Measurements to Studying Sea Level Change"
March 20	Tony Watts Department of Earth Sciences University of Oxford	"Gravity, Isostasy and Flexure"
March 27	Carl Bowin Department of Geology & Geophysics Woods Hole Oceanographic Institution	“Mantle Structure from Geoid Anomaly Data: providing an explanation of continuous deformation of the Earth's surface.”
April 3	Frederik J Simons Department of Geosciences Princeton University	“Turning Noise Into Signal: GRACE, glacial melting, and the coseismic signature of large earthquakes”
April 10	Donald Forsyth Department of Geological Sciences Brown University	“Gravity Lineaments in the Pacific and Small-scale Convection”
April 17	John Wahr Department of Physics University of Colorado	“Using GRACE to estimate groundwater depletion, soil moisture variability, and ice loss from mountain glaciers and ice caps.”
April 24	Scott Nooner Lamont-Doherty Earth Observatory Columbia University	“Constraining the In Situ Density of Sequestered CO2 in the North Sea Using Time-lapse Seafloor Gravity”
May 1	Isabella Velicogna Department of Earth System Science University of California	“Mass Balance of the Polar Ice Sheet from GRACE”
May 8	James L Davis Lamont-Doherty Earth Observatory Columbia University	“The Role of Gravitational Self-attraction and Loading on Deformation of the Continents and Seafloor”
May 15	Bernard Coakley Department of Geology & Geophysics University of Alaska	“Submarines, Satellites, Planes and Icebreakers, building a gravity anomaly grid for the Arctic Ocean; History and Applications”

For more information please go to: <http://www.whoi.edu/whoi/2012-geodynamics-program>