

2010 Summer Lecture Series

Redfield Auditorium & Clark 507

10:00am – 12:00pm

Monday, June 7

10:00 – **Welcome to WHOI (Redfield Auditorium)**

Bernhard Peucker-Ehrenbrink, Chair of Summer Student Fellowship Committee

Ron Reif, Safety Orientation

Michael Moore, IACUC Committee

10:45 – WHOI/MBL library tour

Monday, June 14 (Redfield Auditorium)

10:00 – **Kenneth Foote, AOPE** “Sonar in Oceanography”

10:40 – **E. Robert Thiel, USGS** “Hip boots or snorkel? Predicting the coastal response to sea-level rise”

11:20 – **Neil K. Ganju, USGS** “From the Gold Rush to greenhouse gases: modeling geomorphic evolution in San Francisco Bay”

Monday, June 21 (Clark 507)

10:00 – **Carolyn Ruppel, USGS** “Arctic climate change, methane emissions, and permafrost degradation”

10:40 – **Porter Hoagland, MPC** “Ecosystem-based management of fisheries”

11:20 –

Monday, June 28 (Redfield Auditorium)

10:00 – **Bernhard Peucker-Ehrenbrink, MC&G** “Platinum group elements in volcanic aerosols”

10:40 – **Kristopher Karnauskas, G&G** “Contemporary climate change.”

11:20 – **Andy Bowen, AOPE** “Nereus: A full ocean depth robotic vehicle offering new opportunities in ocean exploration”

Tuesday, July 6 (Clark 507)

10:00 – **Lawrence Pratt, PO** “Chaos in the ocean”

10:40 – **Kenneth Brink, PO** “Two ways to think about current measurements: Georges Bank”

11:20 – **W. Rockwell Geyer, AOPE** “Measuring turbulence in estuaries”

Monday, July 12

Tioga cruise week– no lectures scheduled

Monday, July 19 (Clark 507)

10:00 – **James Yoder, APO** "Satellite oceanography for open ocean ecology and biogeochemistry"

10:40 – **Matthew Charette, MC&G**, "Climate change and human activities at the land-ocean interface: impacts of coupled groundwater-surface water systems"

11:20 – **Uri S. ten Brink, USGS** "Landslides, earthquakes, and tsunamis"

Monday, July 26 (Redfield Auditorium)

10:00 – **Ann Tarrant, Biology** "Crossed signals? Hormone receptors in marine invertebrates"

10:40 – **Simon Thorrold, Biology** "Satellite tracking of planet ocean's largest sharks"

11:20 – **Peter Tyack, Biology** "How deep diving toothed whales use biosonar to find, select, and capture prey"

Monday, August 2 (Clark 507)

10:00 – **Elizabeth Kujawinski, MC&G** "Finding the 'active ingredients' of dissolved organic matter"

10:40 – **Matt Johnson, Biology** "Acquired phototrophy in ciliates"

11:20 – **John Bratton, USGS** "Green lawns and green beaches: How groundwater links land and sea"

Monday, August 9 (Redfield Auditorium)

10:00 – **Amy Bower, PO** "Red Sea Oceanography: A U.S.-Saudi Collaboration"

10:40 – **Mark Hahn, Biology** "Mechanisms of chemical susceptibility and resistance in marine animals"

11:20 – **Andrew Ashton, G&G** "Coastal barriers, overwash, and sea-level rise"

Monday, August 16 (Clark 507)

10:00 – **Hanumant Singh, AOPE** "What makes underwater robots tick: Sensors, platforms, algorithms, and applications"

10:40 – **Al Plueddemann, PO** "Observations beneath coastal sea ice using an AUV"

11:20 – **Masako Tominaga, G&G** "Quasi-3D realization of the *in situ* crustal architecture in Ocean Drilling Program Hole 1256D: Not "layer cake" but "egg salad sandwich" oceanic crust"

AOPE – Applied Ocean Physics & Engineering

APO – Academic Programs Office

G & G – Geology & Geophysics

MC & G – Marine Chemistry & Geochemistry

MPC – Marine Policy Center

PO – Physical Oceanography

USGS – U.S. Geological Survey