

Graduate Certificate in Engineering Geophysics
SPRING 2009 SEMINAR SERIES

- February 18 **Photocatalysis: From TiO₂ Nanostructures to Surface Molecule Complexes**
Gonghu Li, Yale University (Wednesday, 10:20 seminar) Fiber Optics Auditorium, Busch Campus
(Chemical and Biochemical Engineering)
- February 18 **Steady Sea Floor Production and Variable CO₂ Outgassing**
Dennis Kent, Rutgers University (Wednesday, 12:00 seminar; 1:00 refreshments) Chemistry Auditorium, Wright Labs, Busch
Campus (Earth and Planetary Sciences)
- February 25 **Facile Production of Composite Multifunctional Nanoparticles for Drug
Delivery, Targeting and Imaging**
Marian Gindy, Merck & Co. (Wednesday, 10:20 seminar) Fiber Optics Auditorium, Busch Campus (Chemical and
Biochemical Engineering)
- March 2 **Topic: Climate Change and Biogeochemical Tracers**
Peter Schlosser, Columbia University, Earth Science Institute (Monday, 3:45 seminar; 3:30 refreshments) Phillip Alampi
Auditorium, Marine and Coastal Sciences Building, Cook Campus (Oceanography)
- March 9 **A New Look at the Drying of the Mediterranean**
William Ryan, Columbia University (Monday, 3:45 seminar; 3:30 refreshments) Phillip Alampi Auditorium, Marine and Coastal
Sciences Building, Cook Campus (Oceanography)
- March 10 **Perspectives from the Energy Industry**
Steve Greenlee, ExxonMobil (Tuesday, 6:00 p.m. seminar, Winants Hall; 4:00-6:00 Reception, Geology Museum) (Earth and
Planetary Sciences)
- March 10 **Multi-body Potential Calculations**
Mark E. Tuckerman, New York University (Tuesday, 12:10 seminar; 11:45 refreshments) Center for Ceramics Research,
Room 201, Busch Campus (Materials Science and Engineering)
- March 23 **Topic: Geobiology**
Roger Summons, Massachusetts Institute of Technology (Monday, 3:45 seminar; 3:30 refreshments) Phillip Alampi
Auditorium, Marine and Coastal Sciences Building, Cook Campus (Oceanography)
- March 30 **Topic: Morphodynamic Processes of Coastal Systems**
Art Trembanis University of Delaware (Monday, 3:45 seminar; 3:30 refreshments) Phillip Alampi Auditorium, Marine and
Coastal Sciences Building, Cook Campus (Oceanography)
- March 31 **New Insights into Fatigue Cracking, Strain Localization, and Real Battery
Electrochemistry from *in situ* High Energy X-ray Diffraction**
Mark Croft, Rutgers University (Tuesday, 12:10 seminar; 11:45 refreshments) Center for Ceramics Research, Room 201,
Busch Campus (Materials Science and Engineering)
- April 1 **DNA/Carbon Nanotube Interactions: Fundamentals and Applications**
Ming Zheng, DuPont CR & D (Wednesday, 3:00 seminar), Engineering Building, Room B120, Busch Campus (Mechanical
and Aerospace Engineering)
- April 14 **Amber Uncovered: Understanding Nature's Ancient Plastic**
Paul Nascimbene, American Museum of Natural History, NY (Tuesday, 12:10 seminar; 11:45 refreshments) Center for
Ceramics Research, Room 201, Busch Campus (Materials Science and Engineering)
- April 20 **Topic: Arctic Oceanography and Climate Change**
Tom Weingartner, University of Alaska (Monday, 3:45 seminar; 3:30 refreshments) Phillip Alampi Auditorium, Marine and
Coastal Sciences Building, Cook Campus (Oceanography)
- April 24 **Storm Surge Climatology and Modeling for the New York City Metropolitan
Region**
Brian A. Colle, Stony Brook University (Friday, 2:15 seminar) Environmental and Resource Sciences Building, Room 223,
Cook Campus (Environmental Sciences)
- April 28 **Energy Materials Systems**
Kimberley Cook-Chennault, Rutgers University (Tuesday, 12:10 seminar; 11:45 refreshments) Center for Ceramics
Research, Room 201, Busch Campus (Materials Science and Engineering)
- April 29 **Water on Mars: Views from Past, Present, and Future Missions**
Darby Dyar, Mt. Holyoke University (Wednesday, 12:00 seminar; 1:00 refreshments) Chemistry Auditorium, Wright Labs,
Busch Campus (Earth and Planetary Sciences)

Engineering Geophysics is a Rutgers certificate program that gives graduate students in science and engineering a competitive edge in their field by guiding them to incorporate selected courses from participating science and engineering graduate programs into their programs
(see website <http://gsnb.rutgers.edu/engeo/>)