

# LECTURES IN 2005

## Weeks Lectures and Speakers of Opportunity

- Jan. 21 – Dr. Basil Tikoff – UW-Madison. Seeing Inside the Earth: 3D Visualization Problems in Undergraduate Geology.
- Jan. 28 – Dr. David Jennette, 2004-05 AAPG Distinguished Lecturer – Bureau of Economic Geology, Austin, TX. Merging Rocks and Lasers: Bringing 3-D Outcrop Geology to the Workstation.
- Feb. 4 – Dr. J. Casey Moore – University of California-Santa Cruz. Talk 1: Shallow Clastic Intrusions and Paleo Cold Seeps, Coast Ranges– California. Talk 2: Fluids and Seismogenic Behavior of Subduction Thrusts.
- Feb. 17 – Dr. Timothy Masterlark – USGS National Center for EROS, Sioux Falls–SD. The Dynamic Anatomy of Seguam Island, Alaska.
- Feb. 18 – Dr. Thomas J. Burbey – Virginia Polytechnic Institute and State University. Talk 1: Using Observed Deformation to Characterize Aquifer Parameters. Talk 2: Kimballton, Proposed site for a Deep Underground Science and Engineering Laboratory.
- Feb. 25 – Dr. Edward Baker, NSF Ridge 2000 Distinguished Lecturer, Supervisory Oceanographer - NOAA's Pacific Marine Lab, Seattle, WA. Talk 1: Global Distribution of Sea floor Hydrothermal Fields. Talk 2: Unseen Volcanoes: New Perspectives in Ocean Exploration.
- March 8 – Dr. David Grinspoon – Southwest Research Institute. The Evolution of Climate on Venus: The Most Earthlike Planet?
- March 10 – Dr. Barbara Allen, Director, Graduate Program in Science and Technology Studies-National Capital Region Campus Virginia Tech. Uneasy Alchemy: Synergies Between Citizens and Experts on America's Environmental Justice Front line-Cancer Alley.
- March 11 – Prof. Maciej Pawlikowski – Laboratory of Biomineralogy, Institute of Mineralogy, Petrography, and Geochemistry, University of Sciences and Technology-AGH, Crakow, Poland. Biomineralogy of Human Tissues.
- April 1 – Dr. Jeffrey Dorale – University of Iowa. Some Surprising Contrasts Between Glacial and Interglacial Intervals in the North American Mid-continent.
- April 8 – Dr. Simon A. Wilde – Curtin University of Technology, Perth, Western Australia. Talk 1: Giant Igneous Events in the Cretaceous of NE China Causes and Consequences. Talk 2: Jack Hills-Western Australia: Site of the World's Oldest Crystals.
- April 15 – Dr. Sarah Penniston-Dorland – University of Maryland. Sources, Mechanisms, and Pathways of Chemically Reactive Fluid Transport During Metamorphisms from Analysis of Geochemical Tracers.
- April 15 – Dr. Andrew Newman – Los Alamos National Laboratory. Talk 1: To Grow a Volcano: Observations and Modeling Results from Long Valley, California. Talk 2: Unlocking the Secrets of Subduction Mega-Thrust and Tsunami Earthquakes: A Look at Central America and Indonesia.
- April 18 – Dr. Rob Gawthorpe, 2004-05 AAPG Distinguished Lecturer – The University of Manchester-Manchester, England. Sedimentary Response to Fault Evolution in Rift Basins: Insights from Gulf of Suez, Greece, and the North Sea.
- April 22 – Dr. Luis Marin – Mexican National University. Hydrogeology of the Karstic Aquifer of Yucatan.
- July 7 – Dr. Amanda Barnard – Argonne National Laboratory, Center for Nanoscale Materials. Talk 1: Modeling Materials: Basic Principles, Capabilities, and Limitations. Talk 2: Thermodynamics of Nano-crystal Systems
- Sept. 9 – Dr. Christopher S. Swezey – U S Geological Survey-Reston, VA. Late Quaternary Geology of the Northern Sahara.
- Sept. 14 – Dr. Kip Solomon, 2005 Darcy Distinguished Lecturer NGWA – University of Utah. Inert Gas Tracers in Ground Water.
- Sept. 16 – Dr. Gabriel Bowen – University of Utah. Soils, Water, and Terrestrial-Marine Connectivity Through the Paleocene-Eocene Thermal Maximum.
- Sept. 23 – Dr. James C. Zachos – University of California-Santa Cruz. A Rapid Rise in Greenhouse Gas Concentrations 55 Million Years Ago: A Marine Perspective on the Cause(s) and Consequences.
- Oct. 7 – Dr. Bill Woessner, GSA Birdsall Dreiss Lecturer – University of Montana. Talk 1: Occurrence, Transport, and Fate of Viruses and Pharmaceuticals in Groundwater Impacted by Septic System Effluent: The Hydrogeologists and Human Health. Talk 2: Examining the Exchange of Groundwater with the Stream/Floodplain System: Physical Thermal and Geochemical Approaches with Ties to Stream Renaturalization.
- Oct. 12 – Dr. Mark Rowan – AAPG Distinguished Lecturer – Rowan Consulting, Boulder CO. Collisional Fold-and-thrust Belts Detached on Salt.
- Oct. 14 – Dr. Michelle M. Scherer – University of Iowa. Talk 1: FeII Adsorption at Environmentally Important Interfaces: From Macroscopic Observations to Spectroscopic Measurements. Talk 2: Iron as a Reactive Constituent in Soils.
- Oct. 28 – Dr. Jane A. Gilotti – University of Iowa. Ultrahigh-Pressure Metamorphism at the End of the Caledonian Collision.
- Nov. 1 – Dr. James G. Berryman – Lawrence Livermore National Laboratory. Roles of Poroelasticity in Oil and Gas Exploration and Exploitation.
- Nov. 1 – Dr. Laurel Goodwin – UW-Madison. Fault-zone deformation of granular porous media: Mechanical controls and hydrologic consequences.
- Nov. 7 – Dr. Timothy J. Grundl – UW-Milwaukee. Insights into the Deep Sandstone Aquifer of Southeastern Wisconsin.
- Nov. 11 – Dr. Juergen Schieber – Indiana University. Talk 1: Mudstones and Microbes-An Intimate Relationship. Talk 2: Studying Shales for Fun and Profit.
- Nov. 18 – Dr. Larry L. Barton – Department of Biology, University of New Mexico. Talk 1: Studying Metallomics using Immobilized Bacteria: Reduction of Toxic Metals. Talk 2: Bacterial Activities at Mineral Surfaces: How are redox reactions mediated?
- Dec. 9 – Dr. Roy Plotnick – University of Illinois-Chicago. Let Us Prey: Trace Fossils, Foraging Ecology, and the Origins of Marine Landscapes