

PURDUE UNIVERSITY
Department of Earth & Atmospheric Sciences
Seminars for Spring 2010
Thursdays at 3:30 PM, room 1252 CIVL (unless noted)

- Jan. 21 “The World of Peak Oil: Myths Versus Realities”, Prof. William Zinsmeister,
EAS, Purdue University
- Feb. 4 “Drips, Blobs, and Slabs: Lithospheric Evolution of the American Cordillera”,
Dr. Hersh Gilbert, EAS, Purdue University
- 11 “Impacts of Invasive Species on Biogeochemical Cycling and Ecosystem
Services”, Prof. Miguel Gonzalez-Melez, Univ. of Illinois-Chicago, **CIVL 2201**
Host: G.Michalski
- 18 “Ecological Responses to Late-Quaternary Climatic Change in
Alaska: From DNA Input to Solar Output”, Prof. Feng Sheng Hu,
University of Illinois at Urbana, **CIVL 2201** Host: Q.Zhuang
- 25 “The Impact of Humans on Continental Erosion and Sedimentation”,
Dr. Bruce Wilkinson, Syracuse University Host: G.Bowen
- March 4 “The Isotope Biogeochemistry of Nitrous Oxide: From Soil Ecology to Ecosystem
Sensor Engineering”, Prof. Nathaniel Ostrom, Michigan State University
Host: T.Filley
- 11 “Atmosphere-Cryosphere Coupled Model Development and its Application for
Regional Climate Studies”, Prof. Ki-Hong Min, EAS, Purdue University
- 15-19 -- **Spring Break** –
- 25 *Crough Lecture* --“Disaster Deferred: How New Science is Changing
Our View of Earthquake Hazards in the Midwest”, by Prof. Seth Stein,
Northwestern University, Host: E.Calais
- 29 - **Mon.** "Progress in Universality and Realism in Earth System Models"
Dr. Alexander MacDonald NOAA Host: W.Y. Sun
- April 1 “Planetesimal-Driven Migration in the Solar System”,
Dr. David Minton, Southwest Research Institute Host: J.Melosh
- 8 “The Climate of the West African Sahel Region and its Representation
in Global Climate Models”, Prof. Mark Miller, Rutgers University
Host: D.Niyogi
- 14 - **Wed., 2:00 (Candidate)** Amy Barr, “Origin of the Ganymede/Callisto Dichotomy by Impacts
during the Late Heavy Bombardment”, SW Research Institute, Boulder, CO
CIVL 2201
- 15 - **4:00** “Saturn's Titan: Earth-like or not?”, Prof. Robert Brown,
University of Arizona **PHYS 203** Host: J.Melosh
- 16 - **Fri., 1:30** COS Distinguished Alumnus, Bill Landwer, “Hydrocarbon Exploration Industry
Applications in the Texas Gulf Coast and Newer Frontiers” **CIVL 2201**
- 19 - **Mon. (Candidate)** David O’Brien, “The Terrestrial Planets and Asteroid Belt:
Understanding Planet Formation in the Inner Solar System” Planetary Sci. Institute,
Tucson AZ **CIVL 2201**
- 22 “The Geology and Archeology of Athens, Greece”, Dr. Paul Marinos,
University of Athens, Greece Host: T.West
- 28 - **Wed., 2:00 (Candidate)** Brett Denevi, “Multispectral Imaging of Mercury and
the Moon” Arizona State University **CIVL 2201**
- 29 “The Magnetic Mystery of Mars”, Prof. Tiku Ravat, University of Kentucky
Host: R.Nowack
- May 3-8 Final Exam Week