

April 16, 2007

RECENT PRESENTATIONS

John Cushman gave an invited lecture entitled, "Dispersion Revisited: Generalized Hydrodynamics, Renormalization, Fractional Equations and the CTRW" at the Chaotic Dynamics Center, Case Western Reserve University in Cleveland on March 11.

On April 5, Gabe Bowen gave a talk at the IUPUI Earth Science Department entitled, "Geospatial Applications of the Stable Water Isotopes."

Hersh Gilbert gave an invited seminar in the Department of Earth and Atmospheric Sciences at Cornell University on April 11. The talk was entitled, "Flat Slabs to Drips: Lithospheric Structure along the American Cordillera."

The following one hour workshops were presented at the National Science Teachers Association annual convention in St. Louis, March 29- April 1, 2007:

"Tsunami! Understanding the Generation, Propagation, and Hazards of Tsunamis" – Sheryl J. Braile and Lawrence W. Braile

"Earthquakes: Activities and Models for Your Classroom" – Christine V. McLelland, Gary Lewis and Lawrence W. Braile

"Shaking Up Classrooms with a Simple Seismograph: The IRIS Seismographs In Schools Program" – John Taber, Lawrence W. Braile, Lora Bleacher, Sheryl Braile, and John Lahr

"Making Waves: Seismic Waves Activities and Demonstrations" – Sheryl J. Braile, and Lawrence W. Braile

"Earthquakes in the Central United States" – Sheryl J. Braile and Lawrence W. Braile

UPCOMING MEETINGS

Monday, April 16

- Leadership Team, CIVL 2173 (11 a.m.)
- EAS Faculty Meeting, CIVL 3201 (11:30 a.m.)

Thursday, April 19

- Executive Committee, CIVL 2173 (2 p.m.)

Monday, April 23

- EAS Faculty Meeting, CIVL 3201 (11:30 a.m.)
- Primary Promotion Committee Meeting, CIVL 3201 (following EAS faculty meeting)

SEMINARS

Thursday, April 19, at 3:30 p.m. in CIVL 1252:

"High-Rate GPS: What Have We Learned Since Denali?" Kristine Larson, University of Colorado

(Refreshments at 3 p.m. in CIVL 2201)

For more information on seminars and meetings, see the EAS Seminars and Events [calendar](#).

THESES DEFENSE

Monday, April 16 at 9 a.m. in CIVL 3246:

"Development and Testing of Characteristic-Based Semi-Lagrangian Two-Dimensional Shallow Water." Ph.D. Dissertation by Tae Jin Oh

Tuesday, April 17 at 9 a.m. in CIVL 2201:

"Mechanisms of Faulting in and around Caloris Basin, Mercury." M.S. Thesis Defense by Patrick Kennedy

Tuesday, April 17, at 1:30 p.m. in CIVL 2201:

"Real-data and Idealized Simulations of the 4 July 2004 Bow Echo Event." M.S. Thesis Defense by Kent Knopfmeier

Wednesday, April 18 at 3 p.m. in CIVL 3214:

"Evaluation of a Road Construction Failure in Compressible Soils, Lindberg Road Improvement Project, West Lafayette, Indiana." M.S. Thesis Defense by Spence Fairfax

FROM OUR BUSINESS OFFICE

Recent Proposals

Chaubey, Indrajeet; Bowling, Laura C.; Frankenberger, Jane R.; Gitau, Margaret W.; Jafvert, Chad T., and Prokopy, Linda S.: Spatial and Temporal Drainage Ditch Management Options to Improve Agricultural Water Quality. USDA – \$596,871

Engel, Bernard A.; Arabi, Mazdak; Chaubey, Indrajeet; Frankenberger, Jane R., and Lee, John G.: Multiobjective Watershed Management Support System for Spatial Allocation of Agricultural Conservation Practices. USDA – \$550,597

Filley, Timothy R.; Caffee, Marc W.; Gibson, Kevin D., and Hallett, Steven G.: Plant Community Shifts at the Landscape Level and their Affect on Soil Sequestration of Carbon: A Poorly Understood Link to Greenhouse Gas Levels and Climate Change. Showalter Trust Fund – \$75,000

Flesch, Lucy M.; Ridgway, Kenneth D., and Finzel, Emily: Geodynamics of Regional Neogene Basin Development along the Southern Alaska Convergent Plate Margin. Petroleum Research Fund-American Chemical Society – \$150,000

Huber, Matthew; Bertoline, Gary R.; Krockover, Gerald H., and Song, Xiaohui: The Living Reef and Indiana ReefWorld: Virtual Coral Reef Observatories and Portals for Free Choice Learning of Earth System Science Principles. Office of Education – \$745,930

Riggs, Eric M.; Haghighi, Kamyar; Sadowski, Mary A.; Sahley, Christie L., and Staver, John R.: Purdue Robert Noyce Scholars: Excellence in Rural High School STEM Teacher Education. NSF – \$749,290

HAPPY BIRTHDAY!!!

Maarten de Hoop – April 20



A NOTE FROM OUR ACADEMIC COUNSELOR

NOAA Hollings Scholarship Winners

Congratulations to Jace Bauer and Amanda Sheffield! Each has won an Ernest F. Hollings scholarship from NOAA which includes a NOAA internship next summer. This summer Jace will be conducting research at the DOE Pacific Northwest National Laboratory and Amanda at the Arecibo Observatory.

Washington DC Internships

A representative from the Washington Internship Program will be giving a presentation today, **April 16**, at 7 p.m. in BRNG 1268. This program, which is a combination of work and study, places students and graduates in all fields in top-level internships in our nation's capital. Click here for a partial list of areas of placement, such as EPA, NSF, NBC: <https://www.cco.purdue.edu/pdf/WashingtonInternship.pdf>.

Surviving Finals Week

Wednesday, **April 18**, is "Surviving Finals Week" in STEW 302 from 4:30-5:30 p.m., free and open to all students. Presented by the Academic Success Center; successful students will share their strategies.



Sunday, April 22, is Earth Day.

Nancy

ABOUT THIS NEWSLETTER:

This weekly newsletter will be the place to look to keep up with departmental happenings, announcements (seminars, student group events, scholarship and award deadlines, departmental committees), job and grant opportunities, and anything else you need to know about the department. It should cut down on the glut of email and other forms of separate announcements – **if it is in the newsletter, we assume you know about it** and no other reminders are needed. Past issues will be available on our department web site (www.purdue.edu/eas/). Material for inclusion in the newsletter should be submitted to Gina Richey (grichey@purdue.edu) by **Friday noon** of each week for inclusion in the Monday newsletter.