

April 18, 2011

## KROCKOVER FEATURED IN PURDUE PROFILES

Traveling across the country and world for frequent conferences and meetings doesn't stop Gerald Krockover from having dinner with students at Owen Hall nearly every week. Krockover, professor of earth and atmospheric science education, is part of Purdue's Faculty Fellow Program. Through the program he serves as a mentor and friend to students at residence halls. [Read more...](#)



Krockover and his wife, Shari, join students from Owen Hall for a meal at Ford Dining Court. Krockover has participated in Purdue's Faculty Fellow Program for 37 years. (Purdue University photo/Mark Simons)

## MARK YOUR CALENDARS!

EAS Department Faculty Retreat  
**Wednesday, August 17**  
Holiday Inn Select, Lafayette  
9 a.m. to ~4 p.m.

An agenda will be distributed as the date gets closer.

## EAS ALUMNUS TO FLY ON NASA MISSION TO SPACE STATION

Andrew Feustel, a Purdue University Alumnus and NASA astronaut, is scheduled to make three spacewalks during a space shuttle mission to the International Space Station this month. [Read more...](#)

## THE 2011 DISTINGUISHED ALUMNI AWARDS

Ten graduates from the College of Science (including two from EAS) received the 2011 Distinguished Alumni Awards on Friday, April 8. A ceremony honored alumni that have had a significant impact in their fields and on society. Award recipients included: David Capka, Tracy Choka, George Garrick, **William Gommel**, **Paul Krishna**, Thomas Longo, Timothy O'Leary, Vaidyanathan "Ram" Ramaswami, Chun-Fang Wu and Jeffrey Young. [Read more...](#)

## UPCOMING MEETINGS / EVENTS

### Monday, April 18

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

### Thursday, April 21

- EAS Leadership Committee, CIVL 2201 (9 a.m.)

### Monday, April 25

- EAS Primary Committee, CIVL 3201 (11:30 a.m.)
- EAS Student Awards Banquet, Ross-Ade Stadium Pavilion, Buchanan Club (5:30 p.m.)

## EAS SEMINAR

**Thursday, April 21, at 3:30 p.m. in CIVL 1252:**  
"How Do Warm Fronts Move? An Observational and Numerical Study of the Movement of Warm Fronts." Frederick H. Carr, University of Oklahoma.

Refreshments at 3 p.m. in CIVL 2201

For more information, see the EAS online [calendar](#).

## MS DEFENSE

**Monday, April 18, at 9:30 a.m. in CIVL 2201:**  
"Modeling Future Residential Energy Demand under Changing Climate: A Study on Space Heating." MS defense for **Advait Godbole**; Major Co-advisors: Matthew Huber and Kevin Gurney

## DOCUMENTARY INVOLVEMENT

Matthew Huber traveled to IU, Bloomington, (April 6) to take part in the filming of "Supersnake" a documentary on the recent Titanoboa find in South America and the implications of the gigantic snake size has for our understanding of past and future global warming and ecosystems stability. The documentary is a production of Wide-Eyed Entertainment, the people who brought the world such classic movies as *Walking with Dinosaurs*, *Prehistoric Park*, *Story of 1*, *Perfect Disasters* and *Sea Monsters*.

## RECENT PRESENTATIONS

Jennifer Haase gave an invited presentation at the Rosenstiel School of Marine and Atmospheric Sciences on March 31 on "The Use of Airborne GPS Radio Occultation to Investigate Tropical Cyclone Development."

Dan Shepardson presented the following two NARST (National Association for Research in Science Teaching) symposiums on April 4:

Craford, B., Luft, J., Lederman, N., Ling Tan, A., Liam, S., Shepardson, D.P., Okhee, L., & Loughran, J. (2011). Symposium: Supporting teachers in teaching science as inquiry: What is the evidence for effective professional development? NARST Annual Meeting, Orlando, Florida.

Roychoudhury, A., Shepardson, D.P., Niyogi, D., Hirsch, A., Patton, B., Choi, S., & Maeda, Y. (2011). Symposium: Climate education research, perspectives, and issues. NARST Annual Meeting, Orlando, Florida.

On April 4, Jay Melosh gave a seminar at the Harvard University Department of Earth and Planetary Sciences entitled: "Tiny Worlds of Ice and Grit: NASA's Latest Encounters with Comets Hartley 2 and Tempel 1."

Juan Herrera and Eric Riggs presented research at the American Association of Petroleum Geologists meeting in Houston, Texas on April 12, titled "Student Conceptions and Misunderstandings about the Core Concepts of Sequence Stratigraphy."

Jay Melosh visited the University of Tennessee in Knoxville the week of April 11 to give the Klepser Distinguished Lecture on: "Impact Cratering: Geology's Latest Revolution," (April 14) as well as brown bag seminars on the recent missions to Hartley 2 and Tempel 1 and another on Redox Chemistry in Large Meteorite Impacts and the Origin of Life (April 15).

---

## AMS AWARD NOMINATIONS

The Council of the American Meteorological Society invites members and friends of the AMS to submit nominations for consideration for the Society Awards and Fellows. For further information, please visit the AMS website at <http://www.ametsoc.org/awards/index.html>. Please consider nominating a worthy candidate. The award deadline is 1 May.

## PROVOST'S SUMMER INSTRUCTIONAL INNOVATION PROGRAM

The Provost's Office is launching a new grant program to encourage faculty teams to plan sustainable, innovative instructional offerings during the summer term that will further the University's Strategic Plan goal of Launching Tomorrow's Leaders. [Read more...](#)

---

## SUMMER FIELD COURSE

The Crestone Science Center will be teaching its annual summer Field Course on Neotectonics and Paleoseismology from May 30 to June 11, 2011 in Crestone, Colorado. This course has been taught since 2001 by James P. McCalpin, editor of the book Paleoseismology (1996, 2009). CSC maintains the only permanent paleoseismic trench in the USA used for teaching purposes. For more information, go to: <http://geohaz.com/2011%20brochure%20v2.pdf>.

---

## JOB OPPORTUNITY EARTH SCIENCE INSTRUCTORS

Ivy Tech Community College is currently seeking qualified Earth Science adjunct instructors for the summer and fall 2011 terms. Earth Science (SCIN 100) is a 4-credit hour lecture / laboratory course taught at the downtown Indianapolis campus. The summer term is 8 weeks; the fall term is 16 weeks. The minimum qualification for an instructor is a Masters degree in any of the Earth or Atmospheric Sciences. Daytime availability is desired.

For further details, please contact Erica Barrow, Earth Science Faculty at Ivy Tech, via email ([ebarrow@ivytech.edu](mailto:ebarrow@ivytech.edu)) or office phone (317-921-4547).

---

## EAS LIBRARY'S NEWEST BOOKS

Click [here](#) to see a list of new books in the EAS library in the last two weeks.

---

## A NOTE FROM OUR ACADEMIC COUNSELOR Surviving Finals Week Workshop

Wednesday, **April 20**, 4:30-5:30 p.m. in LWSN 1142. The student advisory board of the Academic Success Center will provide helpful strategies for preparing and doing well on exams. It's free.

### [US Student Fulbright Program Info Session](#)

Thursday, **April 21** in STEW 307 at 5-6 p.m. This info session will provide an overview of the U.S. Student Fulbright Program and offer suggestions for preparing a competitive application. All students are

welcome but especially those who will graduate in December 2011, May or August 2012.

The US Student Fulbright Program is the largest U.S. international exchange program offering opportunities for students, scholars, and professionals to undertake an academic year of international graduate study, advanced research, and teaching in elementary and secondary schools in over 140 countries. The program was established in 1946 by the U.S. Congress to "enable the government of the United States to increase mutual understanding between the people of the United States and the people of other countries." Award benefits include round trip transportation, living stipend, and health benefits.

### **The Indiana Wine Grape Council looking for Interns (June 2 – 6)**

Employer: The Indiana Wine Grape Council. Join Indiana's premier value-added agriculture team to help promote and manage the state's largest wine festival, Vintage Indiana.

The IWGC is looking to hire 5-10 students to work from June 2 - June 6. Interns will be responsible for the promotion and execution of Vintage Indiana. This includes set-up of the event, working the festival, and tear down. The hired interns will be required to be able to lift up to 20 lbs. Pay will be based on past experience. Transportation to Indianapolis on June 2 - 6 will be included. Hotel and meals will also be included. For more information, please contact: Jeanette Merritt, Marketing Director, Indiana Wine Grape Council, [jkmerritt@purdue.edu](mailto:jkmerritt@purdue.edu) 765-496-3842.

Reminder: **Just in Time Job Fair**, Tuesday April 19, 10:00am - 3:00pm in the Purdue Memorial Union Ballrooms.

### **Congratulations to EAS Undergraduates and Faculty**

The Undergraduate Research and Poster Symposium on April 12 was an opportunity for students to highlight and present their research.

EAS would like to acknowledge the following students and faculty:

Alyssa Hendricks and faculty advisor Ernie Agee for **1<sup>st</sup> Place in the Physical Science Category** for "An Assessment of the Climatology of Florida Hurricane-Induced Tornadoes (HITs): Technology vs. Meteorology."

Meghan Henschen, Matthew Rudkin, Kathryn Demchak, Lacey Rhudy, Brittany Herrholtz, Erik Larson, Brian Doogs, Joshua Holland, and Johnny Martin and faculty advisor Ki-Hong Min for the **College of Science Students' Choice Award** for "Localized Effects of Wind Turbines on Weather Conditions."

Johnathan Rogers "A Refrigeration System for Removal of Carbon Dioxide from Antarctica's Atmosphere." Faculty advisor: Ernie Agee.

Kandace Kiefer "Relationship of Lower Troposphere Cloud Cover and Cosmic Rays: The Proposed Paradigm Fails." Faculty advisor: Ernie Agee.

Andrea Orton "CO<sub>2</sub> Snow Deposition in Antarctica to Curtail Global Warming." Faculty advisor: Ernie Agee.

Dane Dudley "Visualization of New Zealand Geology through Time." Faculty advisor: Jim Ogg.

Vishnu Srinivasaraghavan "Isotopic Variability within a Single Paleosol Red Bed." Faculty advisor: Gabe Bowen.

Nancy

---

### **HAPPY BIRTHDAY!!!**

Maarten de Hoop – April 20

Dayton Vincent – April 23



### IMPORTANT NOTICE ABOUT THIS NEWSLETTER

This newsletter will now be used as the primary information source for current and upcoming events, announcements, awards, grant opportunities, and other happenings in our department and around campus. Active links to additional information will be provided as needed. Individual email announcements will no longer be sent unless the content is time-sensitive. We will continue to include our publications, presentations and other recent news items as well. Those using paper copies of the newsletter should go to our newsletter archive on the EAS website at [www.purdue.edu/eas/](http://www.purdue.edu/eas/) and **Click on News** to access active links as needed. Material for inclusion in the newsletter should be submitted to Gina Richey ([grichey@purdue.edu](mailto:grichey@purdue.edu)) by **Friday noon** of each week for inclusion in the Monday issue. **If it is in the newsletter, we assume you know about it and no other reminders are needed.**

For answers to common technology questions and the latest updates from the EAS Technology Support staff, please visit [http://www.purdue.edu/eas/info\\_tech/index.php](http://www.purdue.edu/eas/info_tech/index.php).

Also, as an additional resource for information about departmental events, seminars, deadlines, etc., see our departmental calendar at <http://calendar.science.purdue.edu/eas/seminars>.



7th Annual  
**Family Caregiver Fair**

Purdue Memorial Union • South Ballroom  
Tuesday, May 10 • 11 a.m. - 1 p.m.

**Free and open to public • Free parking**



Door prizes, FREE healthy snacks,  
mini-manicures and chair massages!

More than 50 organizations  
offering resources including:



Free parking at  
Wood St. Garage

- Advocacy/legal services
- Assisted living/nursing care
- Caregiver support
- Disability services
- Financial planning/retirement
- Home health care
- Medication management
- Nutrition information
- Respite care
- Senior programs

EA/EOU

Sponsored by

Rosewalk Village  
OF LAFAYETTE

