DEPARTMENT NEWS

“ALL BOILERED UP FOR OPENING CONVOCATION”: RUTH ARNOFF (EAPS PHD 2016) AND SURESH MUTHUKRISHNAN (EAPS PHD 2002), NOW BOTH FACULTY IN THE DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCES AT FURMAN UNIVERSITY IN SOUTH CAROLINA.

EAPS MEETINGS & EVENTS

OUTSTANDING ALUMNI EVENTS

September 23, 2016
HAMP 2201

GSA (PURDUE ALUMNI AND FRIENDS RECEPTION)

September 26, 2016
Hyatt Regency Denver at CCC
Mineral Hall C
7:00 PM - 9:00 PM

SEG RECEPTION

October 17, 2016
Hyatt Regency (Windsor Rm.)
Dallas, TX
6:00-8:00 PM

FALL 2016 - FACULTY MEETINGS

September 20, 2016
October 18, 2016
November 29, 2016
3:00 PM
HAMP 3201
ADVANCE PURDUE/OVPEC FACULTY SEARCH COMMITTEE WORKSHOPS

This workshop is open to all faculty and required for serving on a search committee. The sessions will be held Sept. 14 and Oct. 14, both from 8:15 a.m. to noon and both in the Hall for Discovery and Learning Research, Room 131. A light breakfast will be served.

For those that may be on future faculty search committees, the info and registration for next round of required workshops is via the link below (needs to be completed before you can serve on a search committee): http://goo.gl/B2PamV

COLLOQUIA

William McKinnon, Washington University in St. Louis
“Pluto Revealed! Results from NASA’s New Horizons Mission”
Thursday, Sept. 8, 2016
3:30 PM
HAMP 1252

PUBLICATIONS


STUDENT NEWS

CHEVRON WILL BE CONDUCTING CAMPUS INTERVIEWS ON WEDNESDAY, SEPTEMBER 14th. PLEASE REVIEW THE ATTACHED JOB DESCRIPTIONS (INTERNSHIP AND FULLTIME).

If you would like to be considered for a position at Chevron, you must:

• Complete a profile AND application on our website through the link(s) below
• Upload your transcript under the “Additional Documents” field in the profile

http://www.eaps.purdue.edu/

• Submit you application on or before September 7th

Internship
2016-2017- ES Intern - Purdue University

Fulltime
2016-2017: ES Full Time - Purdue University

To verify your application has been submitted, click on the Job Management tab.

Important dates to remember:

• September 7th – deadline to submit an application
• September 13th – Chevron information session (5:30pm, Room 2201/HAMP)
• September 14th – onsite interviews

Please direct application questions to: Jessica.Little@chevron.com; CC: autumn.eakin@chevron.com. For inquiries after September 5th, please email: autumn.eakin@chevron.com.

OIL COMPANY INTERVIEW DATES:

Chevron - September 13-14
ExxonMobil - October 12-14

Lisa Ryan and Robert Wenger, ExxonMobil Recruiters, will be on campus conducting interviews on October 13 and 14. If you are interested in an interview, please complete an online application and post a copy of your resume at www.exxonmobil.com/apply at least one week prior to interviewing. Copies of transcripts should also be posted or brought to the interview. Download the Working at Exxon Mobil app to learn more about ExxonMobil and career opportunities---available at iTunes or Google Play app stores.

See attached for further information regarding regular employment and internships. If you have previously applied and/or interviewed with ExxonMobil, attended a short course or have had an internship, they encourage you to update your online application as needed. You
do not need to re-interview, but they will reserve some shorter time slots to talk with them as time permits.

Lisa and Robert will also conduct a pre-interview presentation at 5pm on Wednesday, October 12 in Room 2201. This presentation is open to anyone interested in learning more about ExxonMobil and the oil and gas industry.

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**ANNUAL ESE SYMPOSIUM**

Ecological sciences and engineering interdisciplinary graduate program invites you to participate in their annual ESE symposium. Registration is now open. Please mark your calendar for September 28-29, 2016, Discovery Park (Mann and Mgn).

Visit the ESE Symposium Website to get more details regarding the Poster Session, Art Gallery, 3 Minute Thesis, and Speakers. There are prizes for the Poster, Art Gallery, and 3MT competition.

An outline of events can be found below, but please see their detailed agenda online.

**Wednesday, September 28th**
- **KEYNOTE SPEAKER** – Dr. Riley Dunlap – 7:30 PM
- DISCUSSIONS, PANELS and LECTURES – Throughout the day
- **POSTER SESSION** – 10:30 – 12:00
- **ART GALLERY** – 10:30 – 12:00
- **THREE MINUTE THESIS** – 2:00 - 3:30

**Thursday, September 29th**
- DISCUSSIONS, PANELS and LECTURES – Throughout the day
- **POSTER SESSION** – 10:30 – 12:00
- **ART GALLERY** – 10:30 – 12:00
- **THREE MINUTE THESIS** – 2:00 - 3:30

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**MY SCHOOL, GEOGRAPHICAL AND EARTH SCIENCES**

My School, Geographical and Earth Sciences, at the University of Glasgow is currently seeking a Lecturer in Earth Sciences, in particular, they are looking to hire someone with expertise in Sedimentology or Sedimentary Basins.

Position Title: Lecturer in Earth Science

Reference Number: E20302

Please click on the link below, if you are interested in finding out more. The closing date is September 25th, 2016.

http://www.gla.ac.uk/about/jobs/vacancies/

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**10TH ANNUAL ECOLOGICAL SCIENCES AND ENGINEERING SYMPOSIUM**

September 28-29, 2016
Discovery Park

More details to come:

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**2016 BIG TEN GRADUATE SCHOOL EXPOSITION**

Sunday & Monday
Sept. 25-26, 2016

*Key networking opportunities
*Informational workshops
*Premier graduate school fair
*Comprehensive information regarding graduate school education in:
  - Engineering - Science - Science-related disciplines - Mathematics - Technology

Please see attached flyer.

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**PUPS**

PURDUE UNIVERSITY PLANETARY SCIENCE

There is a new student club called PUPS (Purdue University Planetary Science)–to provide a sense of community for students who are interested in planetary sciences, as well as, providing encouragement and information about the future of planetary science. The goal is to increase awareness of and the interdisciplinary nature of planetary sciences.

http://www.eaps.purdue.edu/
IMPORTANT UPDATE FOR UNIVERSITY CARD USERS!

MAGNETIC STRIPE COMMERCIAL CARDS WILL BE CANCELLED FOR CARDHOLDERS WITH CHIP CARDS BEGINNING SEPTEMBER 19

What’s happening?

Several months ago, J.P. Morgan Chase issued commercial chip enabled purchasing cards to replace magnetic stripe cards. Their records show that not all of the chip cards have been activated, and some cardholders are still using their magnetic stripe card.

What to expect:

• Beginning September 19, cardholders, who have a magnetic stripe and a chip card, will have the magnetic stripe card cancelled.

• After September 19, if a cardholder attempts to use the magnetic stripe card, transactions will be declined with a reason code of “expiration date invalid”.

• Any existing transactions on the magnetic stripe card will transfer to the chip card.

What you and cardholders need to do:

By September 19, you must activate and begin to use their chip card as soon as possible.

Questions:

If you have any questions, please contact pcard@purdue.edu.

STAFF PROFESSIONAL DEVELOPMENT CALL FOR APPLICATIONS

It is time to request nominations for the spring 2017 Staff Professional Development Fund. These applications should be for professional development opportunities that will take place during the spring months.

To apply, please completed the attached application and return it to me by Monday, October 3.

A committee of fellow CoS staff members will then meet to evaluate the applications and make the final funding decisions.

PURDUE FACULTY WRITING GROUPS TO BEGIN NEXT WEEK

The small groups, which include faculty of all ranks and from many units, meet weekly so that members can read, edit and critique each other’s writing projects. Participants report that working in a group improves their writing quality and productivity, and connects them with colleagues across disciplines. Faculty working on papers, monographs, book chapters, grant proposals and other academic writing projects are all welcome.

Those interested in joining a Purdue Faculty Writing Group may sign up via Qualtrix at: https://purdue.qualtrics.com/SE/?SID=SV_6M2B42ygW4t6F0I. Groups are formed based on participant’s weekly schedules, and the Office of the Provost handles the logistics.

For more information, contact Angie Schutz at arschutz@purdue.edu.

3rd ANNUAL CENTER FOR THE ENVIRONMENT COMMUNITY MIXER

On Friday, September 9, the DP Center for the Environment (C4E) will hold a fall mixer where faculty and students and staff from all units on campus who have an interest in environmental research can meet and hopefully brainstorm ideas.

http://www.eaps.purdue.edu/
A flyer is attached. Feel free to circulate this information or post the flier in a common area.

In the coming months, C4E will be soliciting applications for their small grants program. This could be a great way to get some new ideas off the ground. The College of Science financially supports this pilot grant program and would like to see more applications from faculty in CoS!

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**OVERLEAF PRO**

The Purdue University Graduate School is providing free Overleaf Pro accounts for all students, faculty and staff who would like to use a collaborative, online LaTeX editor for their projects, presentations and papers. Please see flyer for details.

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**HARRY S. TRUMAN FELLOWSHIP**

Sandia National Laboratories is beginning its ad campaign to attract qualified candidates for its President Harry S. Truman Fellowship in National Security Science and Engineering. The deadline for proposal submission is **November 1, 2016**. Attached is a letter that was set from Marcey Hoover (a Purdue grad) to Dean Svensson and a flyer that I hope you will share with qualified individuals in your programs.

The flyer contains a link to the Sandia web site which explains the Truman Fellowship in more detail. If you need additional information, please contact Yolanda Moreno (ymoreno@sandia.gov).

See attached letter/flyer.

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**“SKILLS PERFORMANCE” TRAINING OPPORTUNITIES AVAILABLE FOR STAFF**

Purdue University - Training offers a wide selection of extension courses for both personal and professional growth. Taught by experts in their fields, the courses provide practical, hands-on experience. And, best of all, anyone can afford them. Take a look through their online catalog for courses that interest you.

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**COSINE**

COSINE (College of Science Instructional Nightly Enrichment) is a free tutoring program to help students in first-year courses in Biology, Chemistry and Math. COSINE offers evening tutoring right in your own backyard. Our goal is to help you develop problem-solving skills needed to do your homework. Please visit their summer location for assistance. COSINE at Shreve Hall URSC (you may enter from the new dedicated entrance on 3rd street) from 6 – 9 pm on **Tuesdays, Wednesdays, and Thursdays** of summer school. Tutors will be available beginning **June 14, 2016**.

*** For optimal tutoring results, bring your textbook and class notes. ***

APSAC accepting applications for professional development grants

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**APSAC WILL BEGIN ACCEPTING APPLICATIONS FOR ITS INDIVIDUAL PROFESSIONAL DEVELOPMENT GRANTS IN SEPT.**

Examples of funded grant applications include but are not limited to professional education or certification; attendance at lectures, conferences and seminars; or tuition assistance for academic classes. The maximum award amount is $750. Applications for fall grants will be considered for activities occurring from **July 1, 2016**, through **June 30, 2017**.

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[http://www.eaps.purdue.edu/](http://www.eaps.purdue.edu/)
The application process will be completed online, and the deadline is 11:59 p.m. ET Oct. 3 for this grant period. More information and a link to the online application are available at www.purdue.edu/apsac/Grants/index.html. Questions may be directed to the Professional Development Subcommittee at APSAC-PD@purdue.edu.

IMPORTANT NOTICE ABOUT THIS NEWSLETTER

This newsletter is 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 EAPS website at http://www.eaps.purdue.edu/news/newsletters.html and Click on News to access active links as needed. Material for inclusion in the newsletter should be submitted to Fallon McQuem (fmcquem@purdue.edu) by 5:00pm on Thursday 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 EAPS Technology Support staff, please visit: http://www.eaps.purdue.edu/resources/information_technology/index.htm
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<thead>
<tr>
<th>Date</th>
<th>Presenter</th>
<th>Topic</th>
<th>Location</th>
<th>Host/Advisor</th>
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</thead>
<tbody>
<tr>
<td>Sept. 1</td>
<td>Joel Saylor, University of Houston</td>
<td>“Integrating Stable Isotopes and Basin Analysis for a Paleogene-Neogene Paleoelevation History of Southern Peru”</td>
<td>Room 1252 HAMP</td>
<td>Ridgway</td>
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<tr>
<td>Sept. 8</td>
<td>William McKinnon, Washington University in St. Louis</td>
<td>“Pluto Revealed! Results from NASA’s New Horizons Mission”</td>
<td>Room 1252 HAMP</td>
<td>Melosh</td>
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<tr>
<td>Sept. 13</td>
<td>Wanchen Wu, PhD Candidate</td>
<td>“The Effects of Continental Aerosols on the Eyewall of a Typhoon”</td>
<td>Room 2201/HAMP</td>
<td>Tung</td>
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<tr>
<td>Sept. 15</td>
<td>Peter Colarco, NASA Goddard Space Flight Center</td>
<td>“Aerosol Modeling Applications in the NASA GEOS-5 Earth System Model”</td>
<td>Room 2201/HAMP</td>
<td>Harshvardhan</td>
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<tr>
<td>Sept. 22</td>
<td>Oliver Boyd, U.S. Geological Survey</td>
<td>“Seismic Hazard and Geodesy in the New Madrid Seismic Zone”</td>
<td>Room 2201/HAMP</td>
<td>Gilbert/Freed</td>
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<tr>
<td>Sept. 27</td>
<td>Sarah Bischoff, PhD Candidate</td>
<td>“Breaking Down the Impact of Strength Heterogeneity on Deformation of the India-Eurasia Collision: A Numerical Modeling Approach”</td>
<td>Room 2201/HAMP</td>
<td>Flesch</td>
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<tr>
<td>Sept. 29</td>
<td>Kevin Reed, SUNY-StonyBrook</td>
<td>“High-resolution Global Simulations from Reduced Complexity to Future Projections”</td>
<td>Room 2201/HAMP</td>
<td>Chavas</td>
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<tr>
<td>Oct. 4</td>
<td>Wendell Walters, PhD Candidate</td>
<td>“The Nitrogen and Oxygen Stable Isotopes of Nitrogen Oxides: Implications for Source Partitioning and Evaluation of Atmospheric Oxidation Pathways”</td>
<td>Room 2201/HAMP</td>
<td>Flesch</td>
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<td>Oct. 6</td>
<td>Tim Marshall, Haag Engineering</td>
<td>“El Reno Tornado and Damage Survey”</td>
<td>Room 2201/HAMP</td>
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<td>Oct. 13</td>
<td>TBD</td>
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<td>Room 2201/HAMP</td>
<td>Caffee</td>
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<td>Oct. 20</td>
<td>Fan-Chi Lin, University of Utah</td>
<td>“Imaging the Yellowstone Magmatic and Hydrothermal System Using Seismic Tomography”</td>
<td>Room 2201/HAMP</td>
<td>Nowack</td>
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<td>Oct. 25</td>
<td>Logan Dawson, PhD Candidate</td>
<td>“Examination of Mesoscale Feedbacks on Convective Scale Predictability During MPEX”</td>
<td>Room 2201/HAMP</td>
<td>Baldwin</td>
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<td>Oct. 27</td>
<td>Allison Wing, Lamont-Doherty Earth Observatory</td>
<td>“Clouds, Circulation, and Climate Sensitivity in Cloud Resolving Model Simulations of Self-Aggregation of Convection”</td>
<td>Room 2201/HAMP</td>
<td>Chavas</td>
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<td>Speaker</td>
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<td>Nov. 1</td>
<td>Shaoqing Liu, PhD Candidate</td>
<td>“Quantifying Terrestrial Ecosystem Carbon Dynamics with Mechanistically-based Biogeochemistry Models and In Situ and Remotely Sensed Data”</td>
<td>Zhuang</td>
<td>Tuesday, 4:00PM, Room 2201/HAMP</td>
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<td>Nov. 3</td>
<td>Dave Finnegan, US Army Corps of Engineers</td>
<td>“Automated LiDAR Scanning of Tidewater Glacier; Helheim Glacier, Southeast Greenland”</td>
<td>Elliott</td>
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<td>Nov. 8</td>
<td>Matthew Bowers, PhD Candidate</td>
<td>“The Emerging States of Madden-Julian Oscillation Convection Initiation”</td>
<td>Tung</td>
<td>Tuesday, 4:00PM, Room 2201/HAMP</td>
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<td>Nov. 10</td>
<td>Jessica Larsen, University of Alaska, Fairbanks</td>
<td>“The 2008 Eruption of Okmok Volcano, Alaska: Geological Perspectives”</td>
<td>Elliott</td>
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<tr>
<td>Nov. 15</td>
<td>Adam Stepanek, PhD Candidate</td>
<td>“Predictions of Severe Weather Environments by the Climate Forecast System Version 2 Model Suite”</td>
<td>Baldwin</td>
<td>Tuesday, 4:00PM, Room 2201/HAMP</td>
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<tr>
<td>Nov. 17</td>
<td>Michael King, LASP</td>
<td>“Spatial and Temporal Distribution of Tropospheric Clouds Observed by MODIS on Board the Terra and Aqua Satellites”</td>
<td>Harshvardhan</td>
<td></td>
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<tr>
<td>Dec. 1</td>
<td>Andy Davis, University of Chicago</td>
<td>&quot; &quot;</td>
<td>Caffee</td>
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Pluto Revealed!
Results from NASA’s New Horizons Mission

William McKinnon
Washington University in St. Louis

The New Horizons encounter with the Pluto-Charon system in July, 2015, provided many scientific surprises. Foremost were the diversity, complexity, and ongoing nature of Pluto’s geology. This includes evidence for present and past glacial activity, major young cryovolcanic constructs, and a most unusual solid state tectonic regime in a thick layer of volatile ices trapped within major structural basin. Even Charon, half the size of Pluto, revealed itself to have had a spectacular geologic past (and a somewhat puzzling present). Pluto’s atmosphere is thinner and less distended, with an escape rate 2 orders of magnitude less, than had been assumed for decades – yet it is an atmosphere with extensive haze layers. And despite PC’s likely “giant impact” origin, no evidence of a fossil oblateness or tectonics from Pluto’s post-impact spindown was detected. The orbital architecture of the Kuiper belt all but demands an epoch of unstable planetary migration. Do New Horizons results inform or constrain such models? Is a giant impact still implicated, or could the Pluto system have formed by a different mechanism?
Join us for a special reception for alumni and friends of the Purdue University Department of Earth, Atmospheric, and Planetary Sciences. Enjoy great food and drinks, as well an opportunity to reconnect and network with your fellow Purdue alumni, faculty and students.
Full Time Job Description – Earth Science
Geologists / Geophysicists

Chevron Corporation is one of the world's leading integrated energy companies with subsidiaries that conduct business across the globe. The company's success is driven by the ingenuity and commitment of approximately 62,000 employees who operate across the energy spectrum. Chevron explores for, produces and transports crude oil and natural gas; refines, markets and distributes transportation fuels and other energy products and services; manufactures and sells petrochemical products; generates power and produces geothermal energy; and develops and commercializes the energy resources of the future, including biofuels and other renewables. Chevron is based in San Ramon, California.

Chevron is accepting online applications for the position of entry-level Geologists and Geophysicists located in:
- Bakersfield, California
- Covington, Louisiana
- Houston, Texas
- Midland, Texas
- Moon Township, Pennsylvania

Geologists and Geophysicists within Chevron are part of multi-disciplinary teams which vary in make-up but can include reservoir engineering, production engineering, simulation engineering, facility engineering and well engineering operations functions. These positions will provide technical geological or geophysical support and risk assessment for prospect generation, reserves recovery and major capital projects.

For most recent graduates, Chevron has a competency-based employee development program that includes two to three technical assignments in the first 5 years of your career supported by strong technical mentoring and comprehensive technical training. Mobility is encouraged as there are many opportunities for Chevron geologists and geophysicists to work in a variety of assignments at different locations, both domestic and international.

Responsibilities for this position may include but are not limited to:

Geologic Skills: Successful geology candidates must be familiar with development geology work processes and have the ability to integrate seismic, well, and production data to evaluate reservoirs. Reservoir Management skills such as reservoir mapping, modeling and characterization must be demonstrated. The successful candidate also needs to be adept at volumetric, reserve and risk assessments. Formation evaluation and planning for and managing reservoir surveillance programs or new well, sidetrack and work over planning could also be expected job functions.

Geophysical Skills: Successful geophysical candidates must be familiar with geophysical tools (velocity, amplitudes, AVO modeling, rock physics, seismic processing, etc.) to assist earth scientists and engineers in prospect generation and reserves recovery. The candidate must keep abreast of new and emerging technologies, maintain close ties with geophysical vendors and intra-company technology networks and leverage when appropriate.

Required Qualifications:
- Students completing the last year of the requirements for their Masters or Doctorate program in geology, geophysics, geological engineering or related fields or individuals with a Masters or Doctorate degree in geology, geophysics, geological engineering or related fields with less than 2 years of directly related work experience.
- GPA – 3.0 or above
- Strong academic performance in core programs, communication, leadership, teamwork and problem-solving skills.
- Position may require driving on a routine basis.

Preferred Qualifications:
- Masters or Doctorate students with specialties in the fields of geophysics, seismic data acquisition and processing, seismic velocity modeling, reservoir properties from seismic, carbonate and clastic stratigraphy and petrography, structural geology, field mapping, depositional systems, petrophysics and well log technologies, geochemistry, and basin, geostatistical and fluid flow modeling. These skill sets are needed for our Chevron Energy Technology Company.

Relocation Options:
Relocation may be considered within Chevron parameters.

Additional Application Instructions:
Please submit your resume and unofficial transcript(s) for review.

Chevron is an Equal Opportunity / Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or protected veteran status.

Chevron regrets it is unable to sponsor employment visas or consider individuals on time-limited visa status for this position.

This position may involve ETC technologies that are subject to U.S. export controls and trade sanctions. These export control laws apply to individuals who are (a) not U.S. citizens, permanent resident aliens, temporary resident aliens, applicants for temporary resident status, refugees, or asylees; and who are also (b) current citizens or permanent residents of a country that is subject to comprehensive trade sanctions under U.S. export control law, http://www.treasury.gov/resource-center/sanctions/Pages/default.aspx. As such, we regret that we would be unable to provide a meaningful internship experience at ETC for you because under government regulations, ETC would not be able to allow access to such technologies absent an authorization from the U.S. government. For this reason, ETC is not considering applicants who are current citizens and/or permanent residents of countries subject to comprehensive U.S. trade sanctions.
Intern Job Description – Earth Science
Geologist / Geophysicist Intern

Chevron Corporation is one of the world’s leading integrated energy companies with subsidiaries that conduct business across the globe. The company’s success is driven by the ingenuity and commitment of approximately 60,000 employees who operate across the energy spectrum. Chevron explores for, produces and transports crude oil and natural gas; refines, markets and distributes transportation fuels and other energy products and services; manufactures and sells petrochemical products; generates power and produces geothermal energy; and develops and commercializes the energy resources of the future, including biofuels and other renewables. Chevron is based in San Ramon, California.

Chevron is accepting online applications for the position of Geologist and Geophysicist Interns located in:

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Responsibilities for this position may include but are not limited to:

Geologic Skills: Successful geology candidates must be familiar with development geology work processes and have the ability to integrate seismic, well, and production data to evaluate reservoirs. Reservoir Management skills such as reservoir mapping, modeling and characterization must be demonstrated. The successful candidate also needs to be adept at volumetric, reserve and risk assessments. Formation evaluation and planning for and managing reservoir surveillance programs or new well, sidetrack and work over planning could also be expected job functions.

Position may require driving on a routine basis.

Geophysical Skills: Successful geophysical candidates must be familiar with geophysical tools (velocity, amplitudes, AVO modeling, rock physics, seismic processing, etc.) to assist earth scientists and engineers in prospect generation and reserves recovery. The candidate must keep abreast of new and emerging technologies, maintain close ties with geophysical vendors and intra-company technology networks and leverage when appropriate.

Required Qualifications:

- Students pursuing their Masters or Doctorate degree in geology, geophysics, geological engineering or related fields.
- Strong academic performance in core programs, communication, leadership, teamwork and problem-solving skills.
- GPA – 3.0 or above

Preferred Qualifications:

- Masters or Doctorate students with specialties in the fields of geophysics, seismic data acquisition and processing, seismic velocity modeling, reservoir properties from seismic, carbonate and clastic stratigraphy and petrography, structural geology, field mapping, depositional systems, petrophysics and well log technologies, geochemistry, and basin, geostatistical and fluid flow modeling.

Relocation Options:

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Additional Application Instructions:
Please submit your resume and unofficial transcript(s) for review.

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This position may involve ETC technologies that are subject to U.S. export controls and trade sanctions. These export control laws apply to individuals who are (a) not U.S. citizens, permanent resident aliens, temporary resident aliens, applicants for temporary resident status, refugees, or asylees; and who are also (b) current citizens or permanent residents of a country that is subject to comprehensive trade sanctions under U.S. export control law, http://www.treasury.gov/resource-center/sanctions/Pages/default.aspx. As such, we regret that we would be unable to provide a meaningful internship experience at ETC for you because under government regulations, ETC would not be able to allow access to such technologies absent an authorization from the U.S. government. For this reason, ETC is not considering applicants who are current citizens and/or permanent residents of countries subject to comprehensive U.S. trade sanctions.
Applicants are required to fill out an online application and post a copy of their resume on www.exxonmobil.com/apply one week prior to interviewing with our campus recruiter. Copies of transcripts should also be posted or brought to the interview. At this stage of the process, "unofficial" school versions of transcripts will be accepted as attachments to the online submittal. Download the Working at ExxonMobil app to learn more about ExxonMobil and career opportunities—available at iTunes or Google Play app stores.

The recruiter will conduct a pre-interview presentation on October 12. The time and location of the orientation will be designated by the Department.

**Candidates for Regular Employment:**

For those interested in careers in Exploration, Development and/or Production, we will be interviewing outstanding students receiving a BS, MS or a PhD in Geology or Geophysics. ExxonMobil is interested in finding outstanding candidates who have a strong fundamental background in the earth sciences, physical sciences, and mathematics. We have excellent proprietary capabilities in teaching petroleum science and technology, and therefore do not require new geoscientists to have any prior petroleum course work or experience. There is, however, a requirement for demonstrated leadership, business awareness, adaptability, teamwork, excellent communication skills in English, and a commitment to high safety and ethical standards. The company regards its global and long-term approach to hiring and career development as the foundation of its future success as a company, and as a source of great opportunity for geoscientists who want to grow their skills and capabilities for a long-term career.

For those interested in a career in Research, we will be interviewing outstanding students receiving a MS or PhD in Geology or Geophysics. Fundamental and applied research opportunities exist for applicants in three general areas:

- Hydrocarbon systems research includes, geochemistry, basin evolution, structural dynamics, petrophysics and geomechanics
- Reservoir performance prediction research includes controls on flow in clastic and carbonate reservoirs, geologic modeling and visualization
- Geophysics research includes advanced processing, acquisition, interpretation and modeling of seismic and other geophysical data

Research in all areas includes a significant component of field studies and takes advantage of state-of-the-art analytical and experimental laboratories and processing and numerical modeling capabilities.

For those interested in careers blending Geoscience and Computing, we will be interviewing graduate students receiving a MS degree in Geology or Geophysics who have an interest in computing.

**Candidates for Internships:**

ExxonMobil is dedicated to an ongoing recruiting program and our geoscience internship and recruiting short courses are the primary avenue we utilize to find qualified candidates. Internships (typically three months) and recruiting short courses are available year-round for students participating in BS, MS or PhD programs.

Internships are available throughout the year. Although we will give preference to those students graduating in 2017 or 2018, we will be happy to discuss career opportunities with other students as the interview schedule permits.

**ELIGIBILITY INFORMATION APPLICABLE TO CANDIDATES FOR REGULAR AND INTERNSHIP EMPLOYMENT**

Applicants must have the permanent right to work in the United States. Under very limited circumstances, visa sponsorship may be available for applicants with an MS with significant, relevant work experience and/or a PhD in certain research or geophysical specialty disciplines.

Applicants for internship must have the legal right to work in the U.S. during the period of the internship. If you are interested in regular U.S. employment after your internship, you must be able to meet the regular U.S. hiring criteria at the time of regular U.S. hiring.

Individuals who have authorization to work in countries where ExxonMobil has geoscience staff such as Angola, Nigeria, Europe, Malaysia, Indonesia, Russia, and the Middle Eastern countries, may be considered for employment by our affiliates in these locations and should sign up to interview for such employment. Students currently attending school in the U.S. who have authority to work in one of the above countries and are interested in these opportunities should utilize the www.exxonmobil.com/apply website.

ExxonMobil is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.
In 2012, the University created a performance evaluation policy for staff which included a focus on capturing the professional development activities of staff throughout the year. The College of Science firmly believes that participation in professional development provides long lasting benefits to both the individual staff member and their department. As such, the College desires to support these activities.

**College of Science Professional Development Philosophy:**

- Professional development participation should be available to all full- or part-time, permanent staff—clerical, service, administrative/professional and managerial/professional.
- Professional development should focus on developing skills that will prepare staff to advance at Purdue or to perform their current duties more effectively.
- All supervisors are strongly encouraged to allow appropriate amounts of time for each staff person throughout the year to attend trainings that will help them accomplish their professional development goals. Approval for participation in such activities should be based on the business needs of each area.

**College of Science Professional Development Fund:**

In order to support staff professional development activities, the College has created a Professional Development Fund to financially assist with participation in trainings that involve fees or the purchase of training materials.

*Professional Development Fund Guidelines:*

- Professional Development funds are to be used to support College of Science staff’s participation in activities that will assist them in developing skills that will prepare staff to advance at Purdue or to perform their current duties more effectively.
- Award applications will be requested three times annually with approximately 10 awards per call. Funds requested may be used to defray costs associated with attending professional meetings or seminars, to participate in workshops, or to enroll in professional-oriented courses related to employment responsibilities. The funds must be utilized within two application cycles (Spring awards utilized by the end of Fall, etc.).
- Applications for amounts of up to $1000 will be accepted.
- Individuals are eligible for one award per calendar year.

*Application Deadlines:*

- Spring Application Call – application due by first Monday in October; decisions made by November 30
- Summer Application Call – application due by first Monday in March; decisions made by April 30
- Fall Application Call – application due by first Monday in June; decisions made by July 31
THE 10TH ANNUAL ECOLOGICAL SCIENCES AND ENGINEERING SYMPOSIUM

POLARIZATION
A forum on extreme and radical thought in our environment, society, and technology

September 28 & 29
Discovery Park

KEYNOTE SPEAKER
Dr. Riley Dunlap

Art Gallery
Poster Session
3 Minute Thesis
Discussion Panels

FREE REGISTRATION OPEN TO ALL!

FOR MORE INFORMATION VISIT OUR WEBSITE:
HTTP://WWW.PURDUE.EDU/GRADSCCHOOL/ESE/SYMPOSIUM/
<table>
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<tr>
<th>Date</th>
<th>Event Title</th>
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<td>Career Planning During Graduate School</td>
<td>PGSC 105A</td>
<td>6:00-7:00 PM</td>
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<td>Getting the Most Out of a Job Fair</td>
<td>BRWN 1154</td>
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<td>Writing a Resume that Works</td>
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<td>Resumes for Graduates</td>
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<td>Offer Evaluation &amp; Negotiation</td>
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<td>Acing the Interview</td>
<td>STEW 320</td>
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