EAPS MEETINGS & EVENTS

FALL FACULTY MEETING SCHEDULE
Tuesday, Sept. 22nd, Oct. 27th, and Dec. 1st
HAMP 3201
3:00-4:30 PM

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PRIMARY COMMITTEE MEETING
September 8, 2015
3:00 PM
HAMP 3201

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OUTSTANDING ALUMNI EVENT
September 25, 2015

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PRIMARY COMMITTEE MEETING
October 6, 2015
3:00 PM
HAMP 3201

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DEAN’S VISIT TO DEPARTMENT
April 21, 2016
1:30 - 4:00 PM

COLLOQUIA

Subashini Subramanian, PhD Candidate
“Land Surface Effects on the Post Landfall Characteristics of Tropical Cyclones”
Tuesday, Sept. 22, 2015
4:30 PM
HAMP 2201

COLLOQUIA CONT.

Dr. Joseph Morris, Lawrence Livermore National Laboratory
“Hydraulic Fracture Simulation: Rising to the Challenge of Unconventional Reservoirs”
Thursday, Sept. 24, 2015
HAMP 1252
3:30 PM

EAPS PUBLICATIONS


EAPS NEWS

UPCOMING OUTREACH ACTIVITIES

September 16-17 - Make a Splash Water Day at Ross Camp
October 3 - Camp Cullom Academy of Science at Camp Cullom in Clinton County
October 8 - GIS day for high school at DLRC on campus.
October 10 - Oceans and Water activities for middle and high school teachers held in EAPS.
November 1 - Purdue Convocations Event: Lighting pre show.
November 7 - Purdue Homecoming Celebration held on Stadium Mall between Pharmacy and Armstrong buildings.
These are some of the activities that are already on the books. They will be adding many more throughout the semester. If you would be interested in helping with any of the activities, please contact Steven Smith (mrsmit@purdue.edu)

UNDERGRADUATE NEWS
Industrial Round Table – Tuesday, Sept. 15th-16th Memorial Mall*

Industrial Roundtable is open to all undergraduate and graduate students from any major, including Engineering, Science, Technology, and Management. Recruiters are seeking interns, co-ops, and full-time placements. Seminars are held Monday, Sept. 14th in STEW Center; interviews, if offered, are the day after the fair.

List of employers; you can filter by major: https://careerfair.purdueesc.org/ir2015/students/employer-list/
Resume help in the CCO -- 15 minute drop-in appts. Sunday – Friday 10 – 4 in YOUNG Rm. 132.
Other career and career fair assistance: CCO Workshop schedule (includes Mock Career Fair, Acing an Interview).

*Rain Locations: Mackey Arena and Lambert Fieldhouse.

GRADUATE NEWS
OIL COMPANY VISITS

SHELL OIL COMPANY
September 10th-11th

David Wolf, Recruiter for Shell Oil Company, will be on campus September 10th and 11th to interview MS/PhD students interested in interviewing for summer internships and full-time positions. Please submit your online application at www.shell.us/careers no later than Monday, September 1st. You will then need to do a few online assessments before you will be approved for a formal interview.

In addition, David will also talk about opportunities at Shell on Thursday, September 10th at 5:30pm in Room 2201/HAMP. All interested faculty and graduate students are invited to attend.

EXXONMOBIL
September 17th-18th

Lisa Ryan, Recruiter for ExxonMobil, will be on campus September 17th and 18th to interview students who are interested in careers in Exploration, Development and/or Production. They will be interviewing outstanding students receiving a BS, MS or a PhD in Geology or Geophysics. Please see the flier for additional details.

Applications are required to fill out an online application and post a copy of their resume and transcripts online at (www.exxonmobil.com/apply) one week prior to interviewing. To sign up for an interview time, please see Kathy Kincade in Room 2169D/HAMP.

In addition, Lisa will also present an overview on Wednesday, September 16th at 5:00pm in Room 2201/HAMP. All interested faculty, graduates and senior level undergraduates are invited to attend.

CHEVRON
September 22nd-23rd

Michele Gutenkunst, Recruiter for Chevron, will be on campus September 22nd and 23rd for interviews.

If interested in obtaining an interview slot, please send your resume, transcripts (both undergraduate and graduate), and a cover letter to Michele Gutenkunst (mgutenkunst@chevron.com) by September 14th.

Invitations for an interview will be sent via e-mail on Wednesday, September 17th. More information to follow at a later time.

In addition, Michele will give an information session at 6:00pm in Room 2201/HAMP on September 22nd. Anyone interested is invited to attend.

Please see attached flier and Kathy Kincade in Room 2169D to sign up for an interview time slot.

TENURE-TRACK FACULTY POSITION IN GEOLOGY
Illinois, Normal 61790-4400. The Department of Geography-Geology at Illinois State University invites applications for a tenure-track position in Hydrogeology/Water Science at the Assistant Professor level. The preferred starting date is August 16, 2016. A Ph.D. in Geology or closely related field is preferred, but ABD candidates who will finish before the time of appointment will be considered.

Please see attached position announcement for more details.

PUGS CALL OUT
(Purdue University Geological Society)
September 8th at 6:30 PM
HAMP 1144

Please see attached flier.
Registration is open for the Big Ten+ Graduate School Expo to be held on October 4th and 5th, 2015.

This two day mini-conference is especially designed for students interested in graduate education in:

- Science
- Technology
- Engineering
- Mathematics
- Other science-related disciplines.

Students will:

- Get an inside look at graduate school and the application process
- Receive advice about funding opportunities
- Network with representatives from more than 75 of the nation’s top graduate institutions, including Baylor, Cal Poly, Cornell, Duke, Illinois, Indiana, Michigan, Notre Dame, Princeton, Purdue, and Vanderbilt. Visit the Attending Institutions website for a complete list.
- Attend a premier graduate school fair

Also, they have invited several business schools, law schools and medical schools whose programs are on the fringes of the STEM disciplines! They have registered recruiters from:

- Indiana – Mauer School of Law
- Massachusetts Institute of Technology – Leaders for Global Operations
- Northwestern University – School of Law
- Purdue University – Krannert School of Management
- University of Arizona – Eller College of Management
- University of Illinois – College of Business
- University of Maryland – Robert H. Smith School of Business
- University of Michigan – Ross School of Business

Purdue students have two options for registering. Participate in all Grad School Expo activities, and pay the regular registration fee of $35. Or, attend only the Graduate School Fair for free. A Purdue ID is required for this option. For more information, visit the special Purdue student registration site. All students, including women and members of underrepresented groups, are encouraged to attend.

Visit www.purdue.edu/gradexpo for more information and to register.

The 9th ANNUAL ECOLOGICAL SCIENCES AND ENGINEERING SYMPOSIUM
Inequality in Complex Systems: Characterizing Global Disparities
September 21, 2015
Purdue Memorial Union

Request for Posters
Poster Session: 10:00 am-12:20 pm

Cash prizes
Open to students of all levels/backgrounds
Poster Registration Deadline: September 17, 2015

Please see attached fliers for more information.

3MT THREE MINUTE THESIS
Do you have what it takes to present your research in three minutes?

Registration for the 3MT Competition is now open for the 9th annual Ecological Sciences and Engineering Symposium
Inequality in Complex Systems: Characterizing Global Disparities
Monday, September 21, 2015
Purdue Memorial Union
3:45PM-5:00 PM

3MT registration deadline: September 14, 2015

Please see attached flier.

TWO GEOPHYSICS POSITIONS OPEN WITH THE UNIVERSITY OF OKLAHOMA

The University of Oklahoma is inviting applications for two tenure-track positions in Geophysics at the Assistant Professor rank in General Geophysics and in Applied Geophysics.

Review of applications will begin September 30, 2015. Applicants can apply at jobs.ou.edu with the requisition number: 23147 for General Geophysics or 23148 for Applied Geophysics. Information requests may be addressed to Geophysics Search, at 405-325-3253 or ougeophysicssearchchair@ou.edu.

Please see attached position announcement for more information.
STUDENT PRESENTATION OPPORTUNITY AT MIT 2015 C3E WOMEN IN CLEAN ENERGY SYMPOSIUM

Their clean energy future requires innovative policies, tools, and technologies to address the ongoing global issues associated with historical trends in energy use. In its report on a sustainable energy future, the National Science Foundation stated, “a sustainable energy economy values environmental and ecosystem stewardship, as well as clean, equitable, reliable, renewable, safe, secure, and economically viable energy strategies and solutions.”

They invite students from all academic disciplines to bring their creativity to help shape the future of clean energy. C3E organizers are delighted to offer all young scholars an opportunity to showcase their work and experience in research, service, and/or education in the energy system.

Graduate students may apply to compete in a research poster competition. Finalists will be invited to present in person at the symposium where attendees will vote to select First, Second and Third place winners (with prizes of $2,500, $1,500, and $1,000 respectively). This competition is sponsored by Cummins Inc. Undergraduate students may apply to present a three-minute lightning presentation at the symposium. Selected presenters will be invited to attend the full day-and-a-half symposium.

The C3E Symposium: The goal of the symposium is to provide women in clean energy with a range of perspectives, analysis, and data on clean energy challenges and opportunities. It also provides a unique forum for networking. It is our hope that it will help build a sustained national and international community of professionals dedicated to advancing the careers and goals of women in clean energy.

More information, including eligibility, requirements, and application procedures, are available at http://C3Eawards.org/StudentOpportunities. Please contact elliotg@MIT.edu with any questions.

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MIT LINCOLN LABORATORY CAREER FAIR
Wednesday, September 16, 2015
Purdue University

MIT Lincoln Laboratory offers scientists and engineers the opportunity to work on challenging problems critical to national security. A Department of Defense federally funded research and development center (FFRDC), Lincoln Laboratory has a focused commitment to research and development, with an emphasis on building prototypes and demonstrating operational systems under live test conditions that meet real-world requirements.

Three areas constitute the core of the work performed at Lincoln Laboratory: sensors, information extraction (signal processing and embedded computing), and communications, all supported by a broad research base in advanced electronics.

If you are pursuing a BS/MS/PhD in any of the following majors, or a comparable scientific or technical field, their technical staff would like to meet you.

* Electrical Engineering
* Computer Sciences
* Physics
* Mathematics
* Materials Science
* Mechanical Engineering
* Aeronautics/Astronautics
* Biology/Biochemistry

To be considered for employment please apply directly to our website at: www.ll.mit.edu
Click on Search for On-Campus Activities.
In the Keywords field enter Purdue and click View Jobs.
Select your campus from the answer set.
A new screen will appear. Click Apply and submit your information.

BUSINESS OFFICE

MANAGING YOUR FINANCIAL FUTURE
PFEN Hall-Dean’s Auditorium
September 24th @ 3:30
Pizza & refreshments will be served.

Please see attached flier for more details.

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SOFTWARE REMOTE OFFERS FREE ACCESS TO MORE THAN 200 SOFTWARE APPLICATIONS

Available 24 hours a day, seven days a week, Software Remote allows students at Purdue's West Lafayette campus free access to more than 200 software programs, most of which are also available on ITaP instructional lab computers. Included on the list are popular applications such as MATLAB, SPSS, Minitab, CATIA, Mathematica and SAS.

Using Software Remote requires only an Internet connection, Web browser and an active Purdue career account. Programs accessed appear to run on the desktop, but actually are running on remote servers and sending keyboard and mouse clicks and screen updates between the computer and server. Users can save files either to their personal computer or to their Purdue home directory. First-time Software Remote users will need to install a Citrix delivery client on their computers after login. Users can access applications by downloading the Citrix Receiver which can be used on all operating systems including tablets.Citrix Systems is a company specializing in virtualization software whose product, XenApp, powers Software Remote.

The more than 200 applications available on Software Remote include course-specific software for the colleges of Agriculture, Education, Engineering, Health and Human Services, Liberal Arts, Science and Technology, as well as the School of Pharmacy and the Krannert School of Management.

If necessary, students can check with ITaP about accessing or buying specific software: http://www.itap.purdue.edu/shopping/software/index.html

COLLEGE OF SCIENCE STAFF PROFESSIONAL DEVELOPMENT INFORMATION

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.

The Spring application deadline is the first Monday in October; decisions made by November 30th.

Please see attached for more detailed information and the application.

2nd ANNUAL ENVIRONMENTAL COMMUNITY MIXER
September 18 @ 3:30 PM - 6:00 PM
South Ballroom, Purdue Memorial Union

The Center for the Environment invites you to attend our 2nd Annual Environmental Community Mixer. This is an opportunity for students, staff, and faculty members to:

Meet new colleagues
Get involved

Learn about environmental opportunities at Purdue

Research groups, students, and student organizations are invited and encouraged to share a poster or set up displays.

Refreshments will be provided.

SEPTEMBER WORKSHOP OFFERS INTRODUCTION TO HIGH-PERFORMANCE COMPUTING WITH LINUX

ITaP Research Computing is hosting an introductory workshop Sept. 8th on high-performance computing in a Linux environment using machines like Purdue’s new Rice cluster and the other Community Cluster Program supercomputers. The workshop for faculty, staff and students will cover topics ranging from batch submission tools and running jobs to file backups and storage. More information: https://www.rcac.purdue.edu/news/778.

Questions: rcac-help@purdue.edu.

THE AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Faculty and AAPG Student Chapter Members—please join the AAPG in Indianapolis Sept. 19th - 22nd, for the Annual Meeting for the Eastern Section of the American Association of Petroleum Geologists (AAPG). To register for the conference or find out more visit the website for the Annual Meeting for the Eastern Seciont of the American Association of Petroleum Geologists (AAPG) at: http://esaapg2015.org/
or contact one of the student event organizers on the attached announcement. Please see attached for more information.
THE 9TH ANNUAL ECOLOGICAL SCIENCES AND ENGINEERING SYMPOSIUM
September 21, 2015
Purdue Memorial Union

Ecological Sciences and Engineering Interdisciplinary Graduate Program invites you to participate in their annual Symposium. Registration is now OPEN. Please mark your calendar for Monday, September 21, 2015, Purdue Memorial Union (PMU).

Visit the Symposium Website http://goo.gl/jXHaXm to get more details regarding Posters, 3MT and Speakers. There are cash prizes for both the Poster and 3MT competition.

TECHNICAL SESSIONS – Throughout the day – See Agenda

POSTER SESSION – 10:00 – 12:20 with Judging from 11:30-12:20

THREE MINUTE THESIS – 3:45-5:00

KEYNOTE SPEAKER – Ms. Mia Henry – 6:15 – 7:30

ASSISTANT PROFESSOR POSITION IN EARTH SYSTEMS SCIENCE
FURMAN UNIVERSITY

The Department of Earth and Environmental Sciences at Furman University, a highly selective private liberal arts undergraduate institution, invites applications for a tenure-track position at the Assistant Professor level beginning in August 2016. A PhD is required at the time of appointment.

Applications can be submitted at: https://jobs.furman.edu/postings/5258. Include PDF versions of a letter of application, a curriculum vita, a statement of teaching interests and philosophy, a statement of research interests and future priorities, names of three references, and unofficial transcripts. Applications will be accepted until December 1st, 2015.

BIRTHDAYS
Wen-wen Tung October 8th

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 www.purdue.edu/eas/ and Click on News to access active links as needed. Material for inclusion in the newsletter should be submitted to Fallon (fmcquern@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.purdue.edu/eas/info_tech/index.php.

Also, as an additional resource for information about departmental events, seminars, etc., see our departmental calendar at http://calendar.science.purdue.edu/eas/seminars.
Sept. 22  Subashini Subramanian, PhD Candidate  
“Land Surface Effects on the Post Landfall Characteristics of Tropical Cyclones”  
**Tuesday, 4:30PM, Room 2201/HAMP**

Sept. 24  Dr. Joseph Morris, Lawrence Livermore National Laboratory  
“Hydraulic Fracture Simulation: Rising to the Challenge of Unconventional Reservoirs”  
**EAPS Energy Colloquium**

Oct. 1  Prof. Nathan Sheldon, University of Michigan  
Title: TBA  
Host: Horgan

Oct. 8  Prof. Blair Schoene, Princeton University  
“Constraining Crustal Evolution on Very Short and Very Long Timescales”  
Host: Caffee

Oct. 15  Prof. Qianlai Zhuang, Purdue University  
Title: TBA

Oct. 20  Haylee Dickinson, PhD Candidate  
“Inferred Rheology and Petrology of the Southern California and Northwest Mexico Mantle from Postseismic Deformation Following the 2010 El Mayor-Cucapah Earthquake”  
**Tuesday, 4:00PM, Room 2201/HAMP**

Oct. 22  Prof. Victor Gensini, College of DuPage  
“Tornadoes: Past, Present and Future”  
Host: Agee

Oct. 27  Anthony Ingrafea, Cornell University  
Title: TBA  
**EAPS Energy Colloquium**  
**Tuesday, 7:00PM, Room 112/PHYS**

Oct. 29  Prof. Jerry DeGraff, AEG-Jahns Lecturer,  
“Effective Monitoring for Environmental and Engineering Geology Projects, Case Histories in Mining, Groundwater Contamination and Hot Springs Migration”  
Host: West

Nov. 5  Prof. Kim Novick, Indiana University  
“Mechanisms Limiting Forest Carbon Uptake and Water Use During Drought”  
Host: Welp

Nov. 10  Kimberly Hoogewind, PhD Candidate  
Title: TBA  
**Tuesday, 4:00PM, Room 2201/HAMP**
<table>
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<tr>
<th>Date</th>
<th>Speaker</th>
<th>Institution</th>
<th>Title</th>
<th>Host</th>
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<tr>
<td>Nov. 12</td>
<td>Dr. Dave Finnegan, US Army Corps of Engineers</td>
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<td>“Automated LiDAR Scanning of a Tidewater Glacier: Helheim Glacier, Southeast Greenland”</td>
<td>Elliott</td>
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<td>Nov. 19</td>
<td>Prof. Susan Brantley, Pennsylvania State University</td>
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<td>TBA</td>
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<td>Dec. 3</td>
<td>Prof. Paul Staten, Indiana University</td>
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<td>“Metrics, Mechanisms, and Magnitudes of Tropical Widening in a Warming Climate”</td>
<td>Wu</td>
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APPLY TODAY!

Shell is in search of remarkable people, from all different backgrounds and disciplines, who can apply their imagination, intelligence and determination to helping us create a more sustainable energy future. That is why we are seeking remarkable graduates like you to join our team!

Looking for a Summer 2016 Internship?
- To be eligible for an Internship, you should be an actively enrolled student who will complete at least one more semester of education following your internship.

Looking for a Full-Time Opportunity?
- To be eligible for Graduate full-time opportunities, you should be in your final year of study or have less than three years of work experience.

Application Requirements
- You must apply online at www.shell.us/students and successfully complete our timed online assessments. This is an ongoing application process and we are currently accepting applications.
- You must have a minimum Cumulative GPA (CGPA) of 3.20.
- Candidates for regular U.S. positions must be a U.S. citizen or national, an alien admitted as permanent resident, refugee, asylee, temporary resident, or an individual who possesses valid work authorization. Individuals with temporary visas (H-1, H-2, J-1, F-1, etc.) or who require sponsorship for work authorization now or in the future are not eligible for hire.
- In some instances, we are able to sponsor Ph.D. candidates in the following disciplines: Chemical Engineering, Physics, Petroleum Engineering, Electrical Engineering, Mechanical Engineering, Geosciences and Research & Development. In some cases, we are able to sponsor Master’s level candidates in Geoscience ONLY.
- Attach your current résumé and unofficial transcript or grade history which provides printed name and CGPA. Add your unofficial transcript or grade history as an 'Additional Attachment'.

About the Online Assessments
- If successful during the application stage, you will receive an email with instructions on how to complete the online assessment. There are two parts to the online assessment. Each part must be completed and submitted
within 7 working days.

- Part 1 consists of a series of competency-based questions. If you successfully complete part 1, you will receive an email inviting you to complete Part 2, which assesses your decision-making and problem-solving capabilities.

- Practice tests are now available. You may now complete Practice Test 1 and Practice Test 2 before starting an application. For more information, visit “Tips to Apply Successfully”.

**Interview Selection Dates**

Selection for interviews **will continue through the end of October**. In order to be selected for an interview, you must first complete and pass the online assessments.

This is the first step in a journey that could lead to an exciting career with Shell. We look forward to receiving your application!

**Learn More About Shell**

- Interested in learning about life at Shell? Click here to watch the video!

- Visit our Degree Matcher to discover the jobs you are qualified for, or explore job areas and the skills you need for each of them.

- Shell will match you to a particular role based on your skills as they align to your selected Shell Business Areas.

**Kind Regards,**

The Shell Recruitment Team

Follow us on Facebook and Twitter @ShellCareers.

DISCOVER WHAT YOU CAN ACHIEVE AT SHELL.

 Minority, Female, Disabled and Veteran EEO/AA Employer
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.
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 that 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:

- 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. 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. 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:**

Relocation may be considered within Chevron parameters.

**Additional Application Instructions:**

Please submit your resume and unofficial transcript(s) for review.

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Chevron regrets that 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.
Chevron Earth Science Campus Recruiting – Purdue University

Information Session – September 22\textsuperscript{th}, 2015 @ 6:00 pm in Rm 2201/HAMP

Interviews – September 22\textsuperscript{nd} and 23\textsuperscript{rd}

If interested in obtaining an interview slot, please send your resume, transcripts (both undergraduate and graduate), and a cover letter to Michele Gutenkunst (mgutenkunst@chevron.com) by September 14\textsuperscript{th}. Invitations for an interview will be sent via email on September 18\textsuperscript{th}. Please refer to the job descriptions or http://careers.chevron.com for more information and qualifications.
TENURE-TRACK FACULTY POSITION IN GEOLOGY

Illinois, Normal 61790-4400. The Department of Geography-Geology at Illinois State University invites applications for a tenure-track position in Hydrogeology/Water Science at the Assistant Professor level. The preferred starting date is August 16, 2016. A Ph.D. in Geology or closely related field is preferred, but ABD candidates who will finish before the time of appointment will be considered.

The department seeks a candidate who possesses research and teaching interests that emphasize practical applications of Hydrogeology through field, laboratory, and/or computational skills. Specialties may include, but are not limited to, environmental geophysics, vadose zone processes, flow in fractured media, hydrogeology of energy-related activities, water supply and sustainability, and/or contaminant and solute transport. Candidates must be able to demonstrate oral proficiency in the English language as a requirement for this position, as mandated by state law.

Successful candidates will be integrated scholars with a strong commitment to teaching and mentoring student research at the M.S. and undergraduate levels. Primary teaching responsibilities will include graduate, advanced undergraduate, and general education courses. The successful candidate will be expected to maintain an externally funded and internationally visible research program. Potential collaborative interactions exist within the department and with various state agencies (e.g., Illinois State Geological Survey, Illinois State Water Survey, and Illinois EPA). The potential for a significant startup package exists.

Illinois State University is a research-intensive university with an annual enrollment of approximately 22,000 students. To build a diverse workforce, Illinois State University encourages applications from individuals with disabilities, minorities, females, and veterans. Equal Opportunity Employer. The university is located in the Bloomington-Normal metropolitan area of central Illinois with a population of approximately 150,000. The Department of Geography-Geology offers B.S./B.A. degrees in Geography, a B.S. degree in Geology, and an M.S. degree in Hydrogeology.

To ensure full consideration, please attach an online faculty application along with a letter of application, curriculum vitae, statement of teaching philosophy, statement of research plans, contact information for three references (name, telephone, and email), and all college and university transcripts to posting number 0707449 at www.IllinoisState.edu/jobs. Screening of applications begins November 13, 2015, and will continue until the position is filled. Inquiries about the application process should be directed to Dr. Eric Peterson (ewpeter@ilstu.edu 309-438-7865). Additional information about the department and the community can be found at http://geo.illinoisstate.edu/.
Purdue University Geological Society
WE WANT YOU!

Come hangout with us!
When: SEPT. 8th @ 6:30
Where: HAMP 1144

Go on awesome trips!
Make some new friends!
Learn more about what the EAPS Department has to offer!
Pugs not guaranteed.
The 9th Annual Ecological Sciences and Engineering Symposium

Inequality in Complex Systems: Characterizing Global Disparities
September 21, 2015
Purdue Memorial Union

Featuring
Poster Session
3MT® Competition
Two Expert Panels
“Defining Inequality and its Role in Complex Systems”
“Practical Strategies to Address Inequality in a Changing World”
Case Study Workshop
“Creating Holistic Solutions to Wicked Problems”

Keynote Address delivered by Ms. Mia Henry
Executive Director of the Arcus Center for Social Justice Leadership
Kalamazoo College

Register here for the symposium or go online:
http://www.purdue.edu/gradschool/ese/symposium/registration.html
The 9th Annual Ecological Sciences and Engineering Symposium

Inequality in Complex Systems: Characterizing Global Disparities

September 21, 2015

Request for Posters

Poster Session: 10:00am-12:20pm

Cash Prizes

Open to students of all levels/backgrounds

Poster Registration Deadline: September 17, 2015

Follow code for more information or visit https://www.purdue.edu/gradschool/ese/symposium/poster.html

Register Now!
ASSISTANT PROFESSOR POSITION IN EARTH SYSTEMS SCIENCE

The Department of Earth and Environmental Sciences at Furman University, a highly selective private liberal arts undergraduate institution, invites applications for a tenure-track position at the Assistant Professor level beginning in August 2016. A PhD is required at the time of appointment. The ideal candidate will have demonstrated teaching and research experience in Earth Systems Science with expertise in energy resources/structural geology/tectonics. Teaching responsibilities consist of four courses with labs per year, and include a combination of an introductory level earth systems science course (EES 110) and upper level courses in energy resources (new course), structural geology (EES 325), and plate tectonics (EES 218). In addition to teaching, the successful candidate will develop an active undergraduate research program, preferably with a strong field based component. Applications can be submitted at: https://jobs.furman.edu/postings/5258. Include PDF versions of a letter of application, a curriculum vita, a statement of teaching interests and philosophy, a statement of research interests and future priorities, names of three references, and unofficial transcripts. Applications will be accepted until December 1st, 2015. Furman University is an equal opportunity employer committed to increasing faculty diversity.

A bit more about Furman and our programs:
The Earth and Environmental Sciences Department: (ees.furman.edu)
How do we achieve an environmentally safe and socially just space for humanity in a world of increasingly limited natural resources? That is the quintessential challenge of the 21st century, and lies at the heart of Furman University’s Department of Earth and Environmental Sciences (EES). Our department takes a holistic, systems-based approach to seek solutions to this grand challenge and examines the full range of geological, environmental, and sustainability issues associated with it. We offer a Bachelor of Science (B.S.) and Bachelor of Arts (B.A.) degrees in Earth and Environmental Sciences, as well as one of the only Bachelor of Science degrees in Sustainability Science at a liberal arts institution. Our faculty members represent a complete spectrum of expertise within Earth Systems Science, with the academic breadth necessary to understand the complex relationships between humans and the planet that sustains them.

The hallmarks of our earth, environmental, and sustainability science programs are flexible curriculum, small classes, field experiences, and collaborative research. Small classes (<15 students) result in plenty of individualized attention and an engaged, active learning environment. Furman’s location at the foothills of the Blue Ridge Mountains and proximity to Greenville provide easy access to a geologically, ecologically, and socially diverse region with ample opportunity for integrating field experiences and local research into the curriculum. Our philosophy of "teaching through research" provides every student in our programs the opportunity to conduct collaborative field research with our faculty.

The University: (furman.edu)
Furman University is a selective, residential, national liberal arts university located in beautiful Greenville, South Carolina. The University enrolls approximately 2,700 undergraduate students. The residential student body is the ideal size to enhance scholarly activity, personal growth, and leadership development. Located only 30 minutes from the mountains and three hours from the South Carolina shore, Furman is nationally acclaimed for its extraordinarily beautiful campus and has been recognized as one of the most beautiful college campuses in the United States. The Furman faculty and staff has little turnover and great loyalty to the institution. Recently, the Chronicle of Higher Education named Furman one of the best small liberal arts colleges and universities in the country in staff satisfaction.

Expectations for the Position:
The mission of the Department of Earth and Environmental Sciences is to provide a rigorous, current, and integrated undergraduate education in Earth Systems Science. The educational goals of our department strongly complement the liberal arts philosophy of the University and seek to develop the student both as a
scientist and as a thoughtful citizen seeking solutions to global problems in the 21st century. Accordingly, we expect all faculty members to contribute to the intellectual, professional, and personal growth of our students. We believe this means faculty members of Furman University should be teachers first, consistent with the primary mission of the University. As such, all tenure decisions are made through the lens of teaching with an emphasis on a "student first approach".

We as a department have prided ourselves on good teaching. We place emphasis on good quality instruction, and as such expect our faculty to continually strive for excellence as a teacher, mentor, and advisor who demonstrates a strong commitment to effective and engaged interactions with students. We follow a "Teaching through Research" philosophy that emphasizes collaborative faculty-student research. Research is seen as a direct extension of our teaching and is as much about "research as a tool for teaching" as it is about the published outcomes. In particular, teaching through research leads to the professional development of the student, and prepares students both for careers in industry and graduate school. As such, faculty in our department are expected to directly incorporate students into their research agendas and projects. Faculty are expected to be present and working with students on collaborative research through the academic year and during the summer. Additionally, collaboration with faculty members both within and outside the department is highly encouraged. Finally, we expect each faculty member to fully engage in the life of the university. Thus, departmental and university service is an important and necessary responsibility of all faculty. Our department values collaboration, cooperation, and collegiality within and outside our department. We are a small, close knit department who prides ourselves on these values, and recognize their importance to our success.

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Suresh Muthukrishnan Ph.D.,
Associate Professor
Director of GIS and Remote Sensing Center
Furman University, Greenville, SC 29613
Phone: (864) 365-6427
http://ees.furman.edu
Do you have what it takes to present your research in three minutes?

Registration for the 3MT Competition is now open for the 9th annual Ecological Sciences and Engineering Symposium

Inequality in Complex Systems: Characterizing Global Disparities

Monday, September 21, 2015
Purdue Memorial Union
3:45 PM – 5:00 PM

Students of all levels and backgrounds are invited to apply

Cash prizes awarded to winners!

3MT registration deadline: September 14, 2015

For more information, visit our webpage:
https://www.purdue.edu/gradschool/ese/symposium/3mt.html

Register now!
TWO GEOPHYSICS POSITIONS
UNIVERSITY OF OKLAHOMA

The University of Oklahoma invites applications for two tenure-track positions in Geophysics at the Assistant Professor rank in General Geophysics and in Applied Geophysics. We seek dynamic colleagues who will teach and supervise geophysics students at all levels, while conducting an aggressive, independent, externally funded research in their field of expertise. The successful candidate should hold a Ph.D., have a demonstrated research record, and an interest in teaching undergraduates and mentoring graduate students.

The **General Geophysics** applicant should have research interest in fundamental geophysics endeavors that include, but not limited to, geodynamics, potential fields, geodesy, numerical modeling, geomechanics or seismology.

The **Applied Geophysics** applicant should have research interest in collection of geophysical data and interpretation of the subsurface for energy, groundwater, mineral, geothermal exploration, and reservoir characterization; industry experience is welcome.

The ConocoPhillips School of Geology and Geophysics has a large, vibrant faculty with a broad range of research activities and strong ties to the petroleum industry. The student body includes about 200 undergraduates and more than 100 MS and PhD students. The geophysics group maintains a comprehensive pool of geophysical equipment including GPR, seismic (active and passive), magnetic, and gravity instruments, as well as extensive rock physics characterization laboratories. For more information: [mcee.ou.edu](http://mcee.ou.edu).

Review of applications will begin September 30, 2015. Applicants can apply at [jobs.ou.edu](http://jobs.ou.edu) with the requisition number: **23147 for General Geophysics or 23148 for Applied Geophysics**. Applicants should submit a complete vita/resume, statement of research and teaching interests, and a list of five references who can be contacted, including full contact information. Information requests may be addressed to Geophysics Search, at (405) 325-3253, or ougeophysicssearchchair@ou.edu.

OU enrolls over 30,000 students and has more than 2,700 full-time faculty members in 21 colleges. In 2014, OU became the first public institution ever to rank #1 nationally in the recruitment of National Merit Scholars, with 311 scholars. OU is an Affirmative Action, Equal Opportunity Employer and women and minorities are encouraged to apply. Protected veterans and individuals with disabilities are encouraged to apply.
MIT Lincoln Laboratory offers scientists and engineers the opportunity to work on challenging problems critical to national security. A Department of Defense federally funded research and development center (FFRDC), Lincoln Laboratory has a focused commitment to research and development, with an emphasis on building prototypes and demonstrating operational systems under live test conditions that meet real-world requirements.

Three areas constitute the core of the work performed at Lincoln Laboratory: sensors, information extraction (signal processing and embedded computing), and communications, all supported by a broad research base in advanced electronics.

If you are pursuing a BS/MS/PhD in any of the following majors, or a comparable scientific or technical field, our technical staff would like to meet you.

- Electrical Engineering
- Computer Science
- Physics
- Mathematics
- Materials Science
- Mechanical Engineering
- Aeronautics/Astronautics
- Biology/Biochemistry

To be considered for employment please apply directly to our website at: [www.ll.mit.edu/college](http://www.ll.mit.edu/college)

- Click on Search For On-Campus Activities.
- In the Keywords field enter Purdue and click View Jobs.
- Select your campus from the answer set.
- A new screen will appear. Click Apply and submit your information.

MIT Lincoln Laboratory’s fundamental mission is to apply science and advanced technology to critical problems of national security. To ensure excellence in the fulfillment of this mission, the Laboratory is committed to fostering an environment that embraces and leverages diversity of thought, culture, and experience. MIT. MIT Lincoln Laboratory is an Equal Employment Opportunity (EEO) employer. All qualified applicants will receive consideration for employment and will not be discriminated against on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, age, veteran status, disability status, or genetic information. Due to the unique nature of our work, we require U.S. citizenship.
How to Apply

APPLY FOR AN ON-CAMPUS INTERVIEW
Please visit your Career Center’s online recruiting system AND the Laboratory’s website:
www.ll.mit.edu

SEARCH JOB LISTINGS
www.ll.mit.edu

Due to the unique nature of our work, we require U.S. citizenship.

Follow us on Facebook, LinkedIn, and Twitter

MIT Lincoln Laboratory is an Equal Employment Opportunity (EEO) employer. All qualified applicants will receive consideration for employment and will not be discriminated against on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, age, veteran status, disability status, or genetic information.

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Technical Seminars Available to University Groups

Members of the technical staff at MIT Lincoln Laboratory are pleased to present these technical seminars to interested college and university groups. Costs related to the staff members’ visit for these seminars will be assumed by Lincoln Laboratory.

AIR TRAFFIC CONTROL
- Human-System Integration in Aeronautical Decision Support Systems
- Integrating Unmanned Aircraft Systems Safely into the National Airspace System
- Machine Learning Applications in Aviation Weather and Traffic Management
- Radar Detection of Aviation Weather Hazards
- System Design in an Uncertain World: Decision Support for Mitigating Thunderstorm Impacts on Air Traffic

COMMUNICATION SYSTEMS
- Diversity in Air-to-Ground Lasercom: The Focal Demonstration
- Dynamic Link Adaptation for Satellite Communications
- Group-Centric Networking: A New Approach to Wireless Multi-hop Networking to Enable the Internet of Things
- High-Rate Laser Communications to the Moon and Back
- How Effective is Routing for Wireless Networking?
- Implementation Considerations for Wideband Wireless Communications
- Practical Capacity Benchmarking for Wireless Networks
- Providing Information Security with Quantum Physics—A Practical Engineering Perspective
- Real-Time Modeling of Wireless Networks Through Emulation
- Research Challenges in Airborne Networks and Communications
- Robust Multi-user Wireless Communications
- Undersea Laser Communication—The Next Frontier
- Waveform Design for Airborne Networks

SPACE CONTROL TECHNOLOGY
- New Techniques for High-Resolution Atmospheric Sounding

SYSTEMS AND ARCHITECTURES
- Choices, Choices, Choices (Decisions, Decisions, Decisions)

SOLID-STATE DEVICES, MATERIALS, AND PROCESSES
- Dynamic Photoacoustic Spectroscopy for Trace Gas Detection
- Geiger-Mode Avalanche Photodiode Arrays for Imaging and Sensing
- Hardware Phenomenological Effects on Co-channel Full-Duplex MIMO Relay Performance
- Microfluidics at MIT Lincoln Laboratory
- Optical Sampling for High-Speed, High-Resolution Analog-to-Digital Conversion
- Quantum Information Science with Superconducting Artificial Atoms
- Slab-Coupled Optical Waveguide Devices and Their Applications
- Subthreshold Design of FPGAs for Minimum Energy Operation
- Three-Dimensional Integrated Technology for Advanced Focal Planes and Integrated Circuits
- Toward Large-Scale Trapped-Ion Quantum Processing
- Ultrasensitive Mass Spectrometry Development at MIT Lincoln Laboratory

CYBER SECURITY
- Addressing the Challenges of Big Data Through Innovative Technologies
- Content-Centric Networking for Mobile Devices
- Cryptographically Secure Computation
- Cyber Security Metrics
- Developing and Evaluating Link Prediction Algorithms for Speaker Content Graphs
- Efficient, Privacy-Preserving Data Sharing
- EMBER: A Global Perspective on Extreme Malicious Behavior
- Evaluating Cyber Moving Target Techniques
- Experiences in Cyber Security Education: The MIT Lincoln Laboratory Capture-the-Flag Exercise
- Multicore Programming in pMatlab® Using Distributed Arrays
- Natural Language Learning Research and Development
- New Approaches for Automatic Speaker Recognition and Forensic Considerations
- Securing Data at Rest with Optical Physically Unclonable Functions
- Signal Processing for the Measurement of Characteristic Voice Quality
- The Probabilistic Provenance Graph

Seminar abstracts and instructions for arranging a seminar can be found online at www.ll.mit.edu
Managing Your Financial Future

Where? PFEN Hall  Dean’s Auditorium

When? September 24 @ 3:30

Pizza & refreshments will be served.

CREDIT    SAVINGS
LOANS    SPENDING
SALARY    BUDGETING

Don’t get lost or stuck in a detour!

We have tools that can help you avoid financial pitfalls before you graduate!
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
College of Science
Staff Professional Development Fund Application

Name: ________________________________________________

Position: ________________________________________________

Department: ________________________________________________

Phone: _________________ E-mail: _____________________________

1. Describe the professional development activity for which funds are requested. Please be specific in how you plan to use the funds requested.

2. What is the amount of funding being requested for this activity?

3. Indicate how participation in this proposed activity will contribute to your professional development. Please attach additional pages if necessary.

__________________________________   ______________________________
Applicant’s Signature      Supervisor’s Signature

__________________________________
Department Head’s Signature