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DEPARTMENT NEWS

EAPS COLLOQUIA

Fan-Chi Lin—Special talk
University of Utah
Thursday, October 20, 2016
10:30 AM
HAMP 2201

Fan-Chi Lin—Seminar
University of Utah
Thursday, October 20, 2016
3:30 PM
HAMP 1252

Logan Dawson
PhD Candidate
Tuesday, October 25, 2016
4:00 PM
HAMP 2201

Allison Wang
Lamont-Doherty Earth Observatory
Thursday, Oct. 27, 2016
3:30 PM
HAMP 1252

EAPS MEETINGS & EVENTS

SEG RECEPTION
October 17, 2016
Hyatt Regency (Windsor Rm.)
300 Reunion Boulevard
Dallas, TX
6:00-8:00 PM

EAPS-FALL FACULTY MEETINGS
October 18, 2016
December 6, 2016
3:00 PM
HAMP 3201

COLLEGE OF SCIENCE-FALL FACULTY MEETINGS
November 29, 2016
3:30-4:30 PM
LWSN 3102A/B

AGU RECEPTION
(ALUMNI & FRIENDS RECEPTION)
December 15, 2016
7:00-9:00 PM
ThirstyBear, Billar Room
San Francisco, CA

CoS COMMENCEMENT
December 18, 2016
9:30 AM
Elliott Hall of Music

http://www.eaps.purdue.edu/
EAPS DEFENSES
PhD Defense - Wendell Walters
**October 24, 2016**
11:00 AM
HAMP 2201
(Advisor: Greg Michalski)

EAPS PUBLICATIONS

EAPS HOLIDAY SCHEDULE
Thanksgiving: Nov. 24 & 25, 2016
Christmas: Dec. 23-26, 2016
Winter recess: Dec. 27, 28, 29, 2016
President’s Designated Holiday: Dec. 30, 2016
New Year’s Holiday: Jan. 2, 2017

EAPS FACULTY AND STAFF RESOURCE FUND
The EAPS Faculty and Staff Resource Fund provides faculty and full-time, permanent staff with a simple, open, and transparent way to request resources they need to be productive in their work. This is not intended to replace other sources (e.g. grants, discretionary accounts, start-up, competitive programs on campus, and usual supplies and expenses), rather it is to meet occasional needs that are important for individual productivity and advancement in cases where these other sources are not available to an individual. Examples include professional development course tuition, office needs, and professional conferences.

Procedure:

Applications to the fund should be sent via email (as a pdf) to the Assistant Department Head. Requests must include the following items and not exceed one page applicants name, position title, email address a detailed, one paragraph description of what is being requested a short explanation of how this will help the individual be productive in their work amount requested (this program will accept requests between $200 and $2,000) time constraints on what is being requested (e.g., a deadline for registration)

**Request deadline is the 20th of each month.**
Decisions will be made by the 5th of the following month. All requests will be reviewed by a group including the Assistant Department Head, the Business Manager, and at least two members of the EAPS Executive Committee.

STUDENT NEWS

JOB OPENINGS AT CIMMS
There are two positions open with the Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma.

Please see attached job announcements for more detailed information about these positions.

2017 MAYMESTER 2 WEEK STUDY ABROAD IN BELIZE

**Call out: Oct 21st**
6:00 pm

http://www.eaps.purdue.edu/
VII EARTH SCIENCES CONVENTION
(EXHIBITION OF PRODUCTS, NEW TECHNOLOGIES AND SERVICES)

The Cuban Geological Society (SCG) is inviting scientists, professionals, technicians, and university students of Geology, Geophysics, and Mining and related Geosciences, to participate in the VII Earth Sciences Convention, to be held at the International Conference Center in Havana, Cuba on April 3-7, 2017.

For further information, please contact:
www.scg.cu; www.cubacienciasdelatierra.com
geociencias@mnhnc.inf.cu Please see attached flier.

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.

Advisor: Briony Horgan.
E-mail: briony@purdue.edu

UNIVERSITY NEWS

TRAVEL CHANGES EFFECTIVE:
SATURDAY, OCTOBER 1, 2016

Changes in the travel industry have prompted some changes to the Purdue travel guidelines that will be effective for travel on or after October 1, 2016. These changes are designed to make travel and expense reporting easier for our travelers, as well as the delegates who support those travelers. Here is a list of the upcoming changes:

• E-ZPass devices in rental cars will now be a reimbursable expense.

• All air tickets that indicate "economy" or "coach" will be reimbursable, i.e. "economy plus". This includes fees for seat selection when booking economy or coach airfares.

• Early Check-In Fees – for those airlines that do not assign seats (i.e. Southwest) or those that do not assign seats until check-in (i.e. Frontier), early check-in fees will be reimbursable. NOTE: This does not include early boarding fees when seats have been assigned.

• TSA and Global Entry – Heightened security and long lines have resulted in much time wasted getting through TSA. For those travelers who fly three or more times per year, TSA Pre-check and Global Entry enrollment fees will be reimbursable.

• Cost Comparisons will be eliminated for domestic trips (inside the continental United States), and replaced with a maximum reimbursable amount. The maximum amount reimbursable will be determined annually by the Central Travel Office based on the average ticket costs reporting by the US Department of Transportation, Bureau of Transportation Statistics. For the remainder of 2016, $400 will be the maximum amount allowed when a cost comparison would have been required.

• Drive vs. Fly comparisons will also be eliminated – the maximum amount reimbursable for drive vs. fly will be $500. This is also calculated based on the average ticket costs reported by the US Department of Transportation, Bureau of Transportation Statistics, with an additional $100 to consider mileage and parking that would have been incurred.

For more information about travel guidelines, please visit www.purdue.edu/travel.

HARRY S. TRUMAN FELLOWSHIP

Sandia National Laboratories is beginning its ad campaign to attract qualified candidates for its

http://www.eaps.purdue.edu/
President Harry S. Truman Fellowship in National Security Science and Engineering. The deadline for proposal submission is 2016. Attached is a letter that was sent from Marcey Hoover (a Purdue grad) to Dean Svensson and a flyer. 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.

“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. Then, register for the courses you want right now using the web site below!

Please click here to sign up for upcoming classes: https://www.eventreg.purdue.edu/training/Home.aspx

STEM EDUCATION CONFERENCE AT PURDUE
1/12/17
9:00 AM - 4:30 PM

Purdue will be hosting the 2nd Annual Indiana STEM Education Conference at Purdue on 1/12/17 from 9 to 4:30. I hope that you will consider attending this event. We had an outstanding turnout of over 650 people last year and are expecting 1,000 this year.

Proposals are due by 10/15/16. Email to carlacjohnson@purdue.edu. You will be notified of the decision on your proposal by 11/4/16.

Presenters will need to register for the conference at: https://goo.gl/5KbfKP

PURDUE BICYCLE REGULATIONS

It is against Purdue Regulations to bring bicycles into buildings/offices/classrooms (need to be parked in bicycle racks), and you may not ride skateboards or use in-line skates in buildings (see attached in Chapter 7.3).

7.3 SPECIAL UNIVERSITY REGULATIONS
a) Bicycles may be parked on campus only in bicycle racks and on bicycle pads provided specifically for this purpose. Motorcycles are not allowed in bicycle parking areas. Bicycles must be ridden on designated campus drives and bike paths. Any bicycles found in violation of these regulations may be removed and/or ticketed with a violation notice.

b) Bicycles are not permitted inside any University building, without permission from the Building Deputy. Bicycles approved for building storage must not block hallways, doorways, or other building egress. The Senior Director of Environmental Health and Public Safety, or designee will have final determination for approval of bicycles stored in buildings.

c) Use of skates, skateboards, and in-line skates is prohibited in any University building or on any surface where damage may occur.

http://www.eaps.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 McQuern (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.eaps.purdue.edu/resources/information_technology/index.htm

Also, as an additional resource for information about departmental events, seminars, etc., see our departmental calendar at http://www.EAPS.purdue.edu/events-calendar.html
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<td>Sept. 1</td>
<td>Joel Saylor</td>
<td>University of Houston</td>
<td>“Integrating Stable Isotopes and Basin Analysis for a Paleogene-Neogene Paleoelevation History of Southern Peru”</td>
<td>Ridgway</td>
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<td>Sept. 8</td>
<td>William McKinnon</td>
<td>Washington University in St. Louis</td>
<td>“Pluto Revealed! Results from NASA’s New Horizons Mission”</td>
<td>Melosh</td>
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<td>Sept. 13</td>
<td>Wanchen Wu</td>
<td>PhD Candidate</td>
<td>“The Effects of Continental Aerosols on the Eyewall of a Typhoon”</td>
<td>Tung</td>
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<td><strong>Tuesday, 4:00PM, Room 2201/HAMP</strong></td>
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<td>Sept. 15</td>
<td>Peter Colarco</td>
<td>NASA Goddard Space Flight Center</td>
<td>“Aerosol Modeling Applications in the NASA GEOS-5 Earth System Model”</td>
<td>Harshvardhan</td>
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<td>Sept. 22</td>
<td>Oliver Boyd</td>
<td>U.S. Geological Survey</td>
<td>“Seismic Hazard and Geodesy in the New Madrid Seismic Zone”</td>
<td>Gilbert/Freed</td>
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<td>Sept. 27</td>
<td>Sarah Bischoff</td>
<td>PhD Candidate</td>
<td>“Breaking Down the Impact of Strength Heterogeneity on Deformation of the India-Eurasia Collision: A Numerical Modeling Approach”</td>
<td>Flesch</td>
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<td>Sept. 29</td>
<td>Kevin Reed</td>
<td>SUNY-StonyBrook</td>
<td>“High-resolution Global Simulations from Reduced Complexity to Future Projections”</td>
<td>Chavas</td>
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<td>Oct. 4</td>
<td>Wendell Walters</td>
<td>PhD Candidate</td>
<td>“Unraveling the “Fingerprints” of Nitrogen Oxides using Stable Isotopes: Implications for Source Partitioning and Evaluation of Atmospheric Oxidation Pathways”</td>
<td>Flesch</td>
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<td>Oct. 20</td>
<td>Fan-Chi Lin</td>
<td>University of Utah</td>
<td>“Imaging the Yellowstone Magmatic and Hydrothermal System Using Seismic Tomography”</td>
<td>Nowack</td>
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<td>Oct. 25</td>
<td>Logan Dawson</td>
<td>PhD Candidate</td>
<td>“Examination of Mesoscale Feedbacks on Convective Scale Predictability During MPEX”</td>
<td>Baldwin</td>
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<td>Oct. 27</td>
<td>Allison Wing</td>
<td>Lamont-Doherty Earth Observatory</td>
<td>“Clouds, Circulation, and Climate Sensitivity in Cloud Resolving Model Simulations of Self-Aggregation of Convection”</td>
<td>Chavas</td>
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<tr>
<td>Nov. 1</td>
<td>Shaoqing Liu</td>
<td>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>
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Nov. 3  Dave Finnegan, US Army Corps of Engineers  Host: Elliott
   “Automated LiDAR Scanning of Tidewater Glacier; Helheim Glacier, Southeast Greenland”

Nov. 10 Jessica Larsen, University of Alaska, Fairbanks  Host: Elliott

Nov. 15 Adam Stepanek, PhD Candidate  Advisor: Baldwin
   “Predictions of Severe Weather Environments by the Climate Forecast System Version 2 Model Suite”
   **Tuesday, 4:00PM, Room 2201/HAMP**

Nov. 17 Michael King, LASP  Host: Harshvardhan
   “Spatial and Temporal Distribution of Tropospheric Clouds Observed by MODIS on Board the Terra and Aqua Satellites”

Nov. 28 Tim Marshall, Haag Engineering  Host: Tanamachi
   “El Reno Tornado and Damage Survey”
   **Monday, 3:30PM, Room 2108/HAMP**

Dec. 1  Andy Davis, University of Chicago  Host: Caffee
   “Stardust in the Laboratory with CHILI”

Dec. 6  Christy Gibson, PhD Candidate  Advisor: Filley
   “ ”
   **Tuesday, 4:00PM, Room 2201/HAMP**
PURDUE RECEPTION
at the SEG Annual Meeting

Monday, October 17
6:00 PM - 8:00 PM

Hyatt Regency, Windsor Room
300 Reunion Boulevard, Dallas

Complimentary heavy hors d’oeuvres

Co-Sponsored by:
Department of Earth, Atmospheric, and Planetary Sciences (EAPS)
and
Summer of Applied Geophysical Experience (SAGE)
9th Annual PURDUE RECEPTION at the AGU Fall Meeting

Thursday, December 15
7:00 PM - 9:00 PM

ThirstyBear Restaurant, Billar Room
661 Howard Street, San Francisco

Complimentary heavy hors d’oeuvres

Co-sponsored by:
Department of Earth, Atmospheric, and Planetary Sciences (EAPS)
and
Purdue Climate Change Research Center (PCCRC)
Seismic Interferometry Across the Continental US and Recent Developments in Dense Array Based Imaging

Thursday, October 20, 2016
10:30-11:30 AM
HAMP Rm 2201
Refreshments also Provided

Abstract: Over the last 10 years, the large-scale dense seismic network of EarthScope USArray Transportable Array has progressively been deployed with a ~70 km station spacing to cover the entire contiguous United States. More recently, geophone dense arrays with hundreds to thousands of stations have been deployed to record continuous seismic data on a much smaller spatial scale. The unprecedented amount of high quality broadband and geophone seismic data allows seismologists to image detailed earth structure on various different scales from shallow to deep. In particular, innovative seismic analyzing techniques have been developed to better utilize the array configuration and to extract new constraints on the structure of the earth that were not available before. In this presentation, I will first discuss some of the recent developments in seismic interferometry and tomography. I will explain how seismologists can now extract useful seismic signals from diffusive wavefields, such as the ambient noise wavefield and the earthquake coda wavefield. I will then demonstrate how these new developments combined with data from USArray and various geophone arrays improve our understanding of earth interior structure.

Prof. Fan-Chi Lin is an Assistant Professor in Geology and Geophysics at the University of Utah. He received his PhD at the University of Colorado Boulder and was a Director’s Postdoctoral Fellow at Caltech’s Seismological Laboratory. In 2015 Prof. Lin was awarded the Charles F. Richter Early Career Award from the Seismological Society of America for his wide range of contributions in seismology, in particular in the area of seismic interferometry using ambient seismic noise to construct tomographic images of the Earth’s crust and upper mantle. Prof. Lin and colleagues have then utilized diffuse seismic energy to image seismic waves traveling through the Earth’s core. He has worked on recent “Large N” seismic experiments using very dense seismic arrays to perform high-resolution 3D imaging of shallow crustal structure. Prof. Lin is also applying seismic tomography to image the magmatic system beneath Yellowstone.
Imaging the Yellowstone Magmatic and Hydrothermal System Using Seismic Tomography

Fan-Chi Lin
University of Utah

The Yellowstone magmatic system is one of the largest active global volcanoes and has been commonly designated as a supervolcano. The interaction between the deep magmatic system and shallow hydrologic system also makes Yellowstone the most concentrated hydrothermal area on earth. The surface manifestation of the hydrothermal activities, including geysers, fumaroles, mud pots, and thermal springs has been attracting millions of visitors per year to visit Yellowstone National Park. The recent deployment of seismic networks such as the Yellowstone seismic network and EarthScope USArray has now allowed the magmatic plumbing system to be studied in detail. In this presentation, I will review recent seismic imaging studies on the magmatic system and discuss the interaction between the deep mantle plume and crustal magmatic reservoirs. To better understand the shallow hydrothermal system, in November 2015, leading by the seismology group at University of Utah, a temporary dense geophone array was deployed around the famous Old Faithful geyser located within the Upper Geyser Basin. The array was composed of 133 three-component geophones and recorded passive seismic data continuously for two weeks. Both periodic and episodic seismic tremors likely related to the nearby hydrothermal activities were observed. I will discuss how these tremor signals and the implementation of novel seismic imaging techniques can allow us to better understand the hydrothermal system.

Thursday, October 20, 2016
3:30 p.m.
Room 1252 HAMP

Refreshments at 3:00 pm
Room 2201/ HAMP
Examination of Mesoscale Feedbacks on Convective Scale Predictability during MPEX

Logan Dawson
PhD Candidate

Two primary objectives of the Mesoscale Predictability Experiment (MPEX) were to quantify upscale feedbacks from deep convection and assess the impact of these feedbacks on numerical model simulations. Analysis of upper air soundings collected during MPEX reiterate that surface cold pools are an effect of deep convection on the mesoscale environment that may persist for extended time periods. Arguably, appropriate representation of these cold pools is necessary for accurate prediction of severe convection occurring in multiday episodes because of the potential for cold pools to persist and significantly contribute to inhibition of surface-based convection.

Experiments employing the WRF-DART data assimilation system are conducted to examine this hypothesized relationship between cold pools and subsequent mesoscale-convective predictability. Ensembles for each data assimilation experiment are initialized at 15 UTC using NCAR ensemble data assimilation system analyses. Assimilation cycling occurs from 16 UTC to 03 UTC before launching forecasts. In these experiments, conventional observations and radar reflectivity data are assimilated onto a 3 km convection-permitting domain. Moreover, suppression of convection will be attempted by assimilating radar reflectivity data that have been edited to remove convective storms. Aspects of the mesoscale environment will be verified with a focus on the supplemental MPEX observations, and characteristics of severe convection will be verified using conventional observations and radar data.
Clouds, Circulation, and Climate Sensitivity in Cloud Resolving Model Simulations of Self-Aggregation of Convection

Allison Wing
Lamont-Doherty Earth Observatory

Large-scale atmospheric circulation, and its interaction with organized moist convection across many scales, sets the patterns of tropical cloud cover and relative humidity and their sensitivity to climate change. Possible changes in the amount of organized convection with warming therefore may modulate climate sensitivity. We explore changes in clouds and circulation and the degree of self-aggregation of convection in response to uniform SST change in a set of radiative-convective equilibrium simulations with the System for Atmospheric Modeling (SAM) cloud resolving model. We use a non-rotating, highly elongated three-dimensional channel domain of length >104 km, with interactive radiation and surface fluxes and fixed sea-surface temperature varying from 280–310 K. Convection self-aggregates into multiple moist and dry bands across this full range of temperatures; we describe the time and length scale of the aggregation and explain the physical mechanisms that cause it. We discuss how large-scale overturning circulations, cloud fraction, and cloud feedbacks change in response to warming, and compare these results to the responses in small-domain RCE (which does not have organized convection or large-scale circulation).

Thursday, October 27, 2016
3:30 p.m.
Room 1252 HAMP

Refreshments at 3:00 pm
Room 2201/ HAMP
CIMMS Research Associate

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma is currently looking for a Research Associate to conduct collaborative research with the National Oceanic and Atmospheric Administration (NOAA) Office of Oceanic and Atmospheric Research (OAR) National Severe Storms Laboratory (NSSL) in Norman, Oklahoma. The Research Associate will work on webpage and cell phone application development for the Multi-Radar/Multi-Sensor and mPING projects.

Duties Include:
1. Assist in the creation and maintenance of the display of realtime weather radar information on a public-facing webpage
2. Manipulate and develop tools to interrogate web-based databases
3. Develop and maintain cell phone applications for the collection of crowd-sourced weather observations

Minimum Qualifications:
1. A Master’s degree in Computer Science or a related field or a Bachelor’s degree in Computer Science and at least three years’ experience in computer programming
   OR
   A Master’s degree in Meteorology or Atmospheric Science with significant computer programming experience
2. Webpage and/or cell phone app development
3. Programming experience with multiple languages, preferably including HTML5, Javascript, Python, and C++

Supervision will be provided by CIMMS staff. Technical oversight will be provided by CIMMS staff and NSSL Federal staff and management. The incumbent will work under general supervision but is expected to determine action to be taken in handling all but unusual situations. Incumbents in this position are not expected to supervise other employees, but may serve as leaders of technical teams.

The salary for this position is competitive and will be based on experience, skills, and knowledge. Information on University benefits may be found at http://hr.ou.edu/employees/New-Employees-at-OU/OU-Benefits-Overview.

To apply for the position, please forward your resume, cover letter and list of three references to:

Tracy Reinke  
Executive Director, Finance and Operations  
University of Oklahoma CIMMS  
120 David L. Boren Blvd., Suite 2100  
Norman, OK 73072-7304  
JOB REFERENCE: MRMS/mPING  
treinke@ou.edu

The University of Oklahoma is an equal opportunity / affirmative action employer.
University of Oklahoma MRMS Research Associate

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) seeks to fill a Research Associate position for its collaborative research with scientists in the National Severe Storms Laboratory (NSSL) in Norman, Oklahoma. The Research Associate will contribute to NSSL’s Multi-Radar Multi-Sensor (MRMS) project (http://www.nssl.noaa.gov/projects/mrms/).

**Background**
NSSL in collaboration with CIMMS has developed an operational Multi-Radar Multi-Sensor (MRMS) system that assimilates radar, rain gauge, lightning, satellite and atmospheric environmental data and generates 1-km and 2-min resolution severe weather and quantitative precipitation estimation (QPE) products. The high-resolution precipitation products are critical for flood/flash flood warnings and for water resource managements.

**The principal duties of this position are:**
1) Acquire and apply expertise in radar quantitative precipitation estimation.
2) Develop technical expertise with the MRMS radar processes and applications.
3) Refine and optimize the current MRMS dual-polarization radar QPE for operations.
4) Test and optimize a radar extrapolation-based very-short term quantitative precipitation forecast.
5) As needed, attend meetings and professional conferences to present research results and contribute to technical documents and scientific publications when appropriate.

**The minimum qualifications for the position are:**
- A Masters Degree in Meteorology, Atmospheric Science, Computer Science or related area.
- A Bachelor’s Degree in Meteorology, Atmospheric Science, Computer Science or related area AND at least 3 years relevant experience.
- Emphasis will be placed on applicants with scientific programming experience on UNIX/Linux using a high level language (e.g. C++, Java, Python)

Applicants should identify experience with analysis and interpretation of weather radar data. Excellent oral and written communication skills are highly desired.

Supervision will be provided by CIMMS staff. Technical oversight will be provided by CIMMS staff and NSSL Federal staff and management. This is a non-supervisory position, although the incumbent may serve as a leader of technical teams.

The beginning salary will be commensurate with experience and qualifications with University of Oklahoma benefits. Information on benefits may be found at [http://hr.ou.edu/Employees](http://hr.ou.edu/Employees).

To apply for the position, please forward your resume, cover letter and list of three references to:

Tracy Reinke  
Executive Director, Finance and Operations  
University of Oklahoma CIMMS  
120 David L. Boren Blvd., Suite 2100 Norman, OK 73072-7304  
JOB REFERENCE: MRMS RA  
treinke@ou.edu

*The University of Oklahoma is an equal opportunity / affirmative action employer.*
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 Cuban Geological Society (SCG) is pleased to invite scientists, professionals, technicians and university students of Geology, Geophysics, Mining and related Geosciences, to participate in the VII Earth Sciences Convention, and Exhibition of Products, New Technologies and Services, to be held at the International Conference Center of Havana, Cuba on April 3-7, 2017.

The convention welcomes presentations about Cuba, the Caribbean and other regions or in general about the geology, geophysics and mining experiences in the search and management of natural resources, including minerals (metals, industrial), water, oil and gas, construction, earthquake research and other geohazards, education of geosciences; as well as any other related to the sustainable exploitation of natural resources.

We invite professional societies, institutions and non-government organizations to organize workshops, round tables and meetings during the Convention.