## DEPARTMENT NEWS

### EAPS COLLOQUIA

Mark Harrison  
UCLA  
**Thursday, February 2, 2017**  
3:30 PM  
HAMP 2201

### SCREENING OF DOCUMENTARY “THROUGH THE VALLEYS”

EAPS alumnus Robin Blomdin is the subject of the documentary “Through the Valleys,” which chronicles his field research in the breathtaking landscape of Mongolia and Kyrgyzstan. In the words of the film’s official synopsis, “Through his eyes we get to experience an adventure in a breathtaking landscape, as he tries to unravel how big the glaciers in Central Asia were during the last ice age.” In addition to a screening at the Grad Expo, this film will be screened to a larger Purdue audience on **Friday, February 10 at 7 p.m. in Stanley Coulter Room 239**, with a Q & A session following the film.

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**CoS SPRING FACULTY MEETINGS**  
February 14, 2017  
April 18, 2017  
3:30-4:30 PM  
LWSN 1142

**EAPS-SPRING FACULTY MEETINGS**  
January 31, 2017  
February 28, 2017  
March 28, 2017  
May 2, 2017  
3:00 PM  
HAMP 3201

**EAPS AWARDS BANQUET**  
April 17, 2017  
5:30 PM  
Ross-Ade Pavilion, Buchanan Club

**EAPS ALUMNI ADVISORY BOARD**  
April 18, 2017  
8:30 AM-4:00 PM  
HAMP 2201

**BLACK AND GOLDEN JUBILEE**  
September 21-23, 2017

http://www.eaps.purdue.edu/
It is time to request applications for the Summer 2017 Staff Professional Development Fund. These applications should be for professional development opportunities that will take place during the summer (May through early August) months. To apply, please completed the application and return it to Angie Teel by Friday, March 3. A committee of fellow CoS staff members will then meet to evaluate the applications and make the final funding decisions.

BLACK AND GOLDEN JUBILEE OPEN FOR REGISTRATION

The Black & Golden Jubilee website is now open for registration. For more information on the event, go to the event website. To register, go to the registration website.

DEADLINE FOR COLLEGE OF SCIENCE INTERNATIONAL TRAVEL AWARDS

For international travel between March 1, 2017, and December 31, 2017, graduate students may apply for the College of Science International Travel Awards. To qualify, you must be a full-time PhD student making an oral or poster presentation at an international conference. Three or four awards totalling $800 will be awarded. To apply, send all of the following in one electronic file to Robin Sipes at rsipes@purdue.edu:

- CV (2 page limit)
- Brief summary of research (1 page limit)
- Brief statement of purpose for attending conference, specifying whether your presentation is oral or poster
- Link to conference website
- Letter of support from research advisor

The deadline for the application is February 17, 2017.

NCAR SUMMER INTERNSHIPS IN PARALLEL COMPUTATIONAL SCIENCE

The SIParCS Program at the National Center for Atmospheric Research is aimed at university students who are interested in pursuing a career in such areas as:

- Application Optimization
- Computer Security and Formal Verification
- Data Science
- Numerical Methods
- Software Engineering
- Supercomputing Systems Operations
- Visualization

The goal of the SIParCS program is to make a long-term, positive impact on the quality and diversity of the workforce needed to use and operate 21st century supercomputers. Graduate
students and undergraduate students (who have completed their sophomore year by summer 2017) gain significant hands-on experience in high-performance computing and related fields that use HPC for scientific discovery and modeling.

This program embeds students as summer interns in the Computational and Information Systems Laboratory, an organization within NCAR charged with provisioning supercomputing and data systems to the geosciences research community. The roles of service and research in CISL support NCAR’s broad scientific mission of discovery in the atmospheric and related sciences.

**Application Deadline: February 1, 2017 (4 p.m. MT)**
For more information, go to [https://www2.cisl.ucar.edu/siparcs](https://www2.cisl.ucar.edu/siparcs).

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**Winter Weather Warning Decision Making Research Associate Position**

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma is currently seeking a Research Associate to collaborate with scientists and instructors at the National Weather Service (NWS) Warning Decision Training Division (WDTD) in Norman, OK, on training for winter weather warning decision making.

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  
treinke@ou.edu  
Attn: HWT

Please see attachment for more details.

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**NASA Earth and Space Science Fellowship (NESSF) Program**

NASA announces a call for graduate fellowship proposals to the NASA Earth and Space Science Fellowship (NESSF) program for the 2017-2018 academic year. This call for fellowship proposals solicits applications from accredited U.S. universities on behalf of individuals pursuing Master of Science (M.Sc.) or Doctoral (Ph.D.) degrees in Earth and space sciences, or related disciplines. The purpose of NESSF is to ensure continued training of a highly qualified workforce in disciplines needed to achieve NASA’s scientific goals. Awards resulting from this competitive selection will be made in the form of training grants to the respective universities.

The deadline for NEW applications is **February 1, 2017**, and the deadline for RENEWAL applications is **March 15, 2017**. The NESSF call for proposals and submission instructions are located at the NESSF 17
solicitation index page at http://nspires.nasaprs.com/ - click on “Solicitations” then click on “Open Solicitations” then select the “NESSF17” announcement. Also refer to “Program Specific Questions” and “Frequently Asked Questions” listed under “Other Documents” on the NESSF17 solicitation index page.

All proposals must be submitted in electronic format only through the NASA NSPIRES system. The faculty advisor has an active role in the submission of the fellowship proposal. To use the NSPIRES system, the faculty advisor, the student, and the university must all register. Extended instructions on how to submit an electronic proposal package are posted on the NESSF 17 solicitation index page listed above. You can register in NSPIRES at http://nspires.nasaprs.com/.

For further information contact Claire Macaulay, Program Administrator for NESSF Earth Science Research, Telephone: (202) 358-0151, Email: claire.i.macaulay@nasa.gov or Dolores Holland, Program Administrator for NESSF Heliophysics Research, Planetary Science Research, and Astrophysics Research, Telephone: (202) 358-0734, E-mail: hq-nessf-space@nasa.gov.

CIMMS RESEARCH ASSOCIATE POSITION

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma (OU) is currently looking for a Research Associate to provide leadership, satellite expertise, and meteorological support for the GOES-R Proving Ground effort based at the NOAA/NWS Storm Prediction Center (SPC). The SPC is located at the National Weather Center (NWC) in Norman, OK, a highly collaborative environment containing a number of NOAA and OU organizations, including the National Severe Storms Laboratory, NWS Warning Decision Training Division, NWS Forecast Office, OU School of Meteorology, and OU Center for Analysis and Prediction of Storms. This project will include activities focused to maximize the diagnostic and forecast value of geostationary satellite data and products. The incumbent will interact with NWS operational forecasters to prepare them for new satellite dependent products that will become operationally available after the launch of GOES-R.

Please see attached flier for more information.

UNIX COMPUTING WORKSHOP

ITaP Research Computing will host a series of hands-on introductory workshops in February for students, staff and faculty looking to enhance their skills in using UNIX-based high-performance computing systems like Purdue’s Community Cluster Program supercomputers. Part one of the UNIX 101 workshop will cover topics ranging from logging in, files and directories (including compressing, transferring and backing up files), to permissions, pipelines and basic scripting. The workshop, which will include a number of hands-on exercises, will take place from 9 a.m. to noon on each of Monday, Feb. 6, Wednesday, Feb. 8, and Friday, Feb. 10, in Stanley Coulter Hall, Room 183. No previous UNIX experience is required.

There is no fee to attend, but participants should register for part one of the workshop by completing the Qualtrics survey here.

PURDUE CCO SPRING 2017 GRADUATE WORKSHOPS & PRESENTATIONS

Jan. 31 / Convert your CV into a resume
5:30 PM to 6:30 PM / Deans’ Auditorium, 2nd floor, Pfendler Hall

What are the differences between the purpose, form and content of CVs and resumes? Convert your CV into a resume, improve an existing resume, and learn about resume do’s and don’ts.
Bring a copy of your document(s) to workshop or peer review.

See the attached flyer for the full spring schedule.

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**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 or see attached flier.

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**2017 GRADUATE ENVIRONMENTAL HEALTH (GEH) SUMMER PROGRAM**

The Centers for Disease Control and Prevention (CDC), National Center for Environmental Health (NCEH) and the Agency for Toxic Substances and Disease Registry (ATSDR) in Atlanta, Georgia, are accepting applications for their Graduate Environmental Health (GEH) Summer Program.

During this program, students will be engaged in environmental health projects. They will be exposed to a broad overview of environmental health issues at the Federal level and participate in a number of activities during the internship to include reading and helping to guide weekly journal club discussions, attending and participating in weekly subject matter expert (SME) briefings, attending and participating in weekly field trip activities, preparing and presenting on assigned environmental health projects, participating in professional development trainings including career development, communication, leadership and inquiry and analysis. Students will be matched with a project supervisor based on their experience and skill set. For examples of past GEH internship projects, please review at https://www.cdc.gov/nceh/summerinternships/experience.htm

**Qualifications:**

- Graduate student (enrolled in a Masters or Doctoral program) with an academic major or demonstrated concentration in environmental studies, environment, public health, physical, biological, chemical, medical, and/or social sciences.
- Students enrolled in a doctoral-level clinical degree program (such as MD/DD, DVM, DDS, Pharm D) will also be considered.
- Students who will graduate in spring 2017 are not eligible.
- Minimum cumulative GPA of 3.0 on a 4.0 scale.

Ideal candidates would have extra-curricular activities or volunteer work that is related to the field of environmental health or the environment, including holding positions of leadership in these organizations or activities. Students should have a passion for the environment and an eagerness to learn about the environment’s link to human health.

For complete eligibility information and instructions to apply, please visit: https://www.zintellect.com/Posting/details/2775; ORISE Posting Number: CDC-NCEH-2017-0021. For any additional information, please contact Marilyn Duffoo, myr4@cdc.gov. Application deadline **February 3, 2017**.

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[http://www.eaps.purdue.edu/](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 Logan Judy (ljudy@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
A New View of Early Earth and Its Habitability

Mark Harrison
UCLA

The ubiquity of origin myths among human societies suggests that our species has an innate need to explain how Earth formed and came to its present state. The controls on myth fabrication include the limitations of the available historical record and the technological capability of the culture in question. Despite our impressive technology and a western cultural bias to watery origins, when the scientific community encountered the limits of its historical record – there are no known rocks older than 4 Ga – it chose the paradigm of a desiccated, continent-free wasteland in which surface petrogenesis was largely due to bollide impact into a basaltic substrate and called it the “Hadean” (hellish time). But the story emerging from geochemical investigations of >4 Ga Jack Hills zircons is of their formation in water-rich granites relatively low geothermal gradients. These results have been interpreted as reflecting chemical weathering and sediment cycling in the presence of both liquid water and plate boundary interactions shortly after Earth accretion. Given general agreement that life could not have emerged until liquid water appeared at or near the Earth’s surface, a significant implication is that our planet may have been habitable as much as 500 Ma earlier than previously thought. Indeed, recent C isotopic evidence obtained from inclusions in Hadean zircons is consistent with life having emerged by 4.1 Ga, or several hundred million years earlier that the hypothesized lunar cataclysm. Perhaps the most remarkable feature of these observations drawn from ancient zircons is that none were predicted from theory. Rather, generations of models essentially innocent of observational constraints fed the longstanding paradigm. What compelled the scientific community to develop its own origin myth – of a hellish beginning – in the absence of direct evidence? While science is clearly distinguished from mythology by its emphasis on verification, its practitioners may be as subject to the same existential need for explanations as any primitive society.
A PhD student with a dream of becoming a scientist

THROUGH THE VALLEYS
AN ADVENTURE IN THE MOUNTAINS OF MONGOLIA & KYRGYZSTAN

WATCH THE TRAILER AT WWW.THRUOUGHTHEVALLEYS.COM

WELCOME TO THE SCREENING OF THE DOCUMENTARY THROUGH THE VALLEYS
FEBRUARY 10, 7PM - PLACE: STANLEY COULTER ROOM 239 - LENGTH: 47 MINUTES
AFTER THE FILM: Q&A WITH THE DIRECTOR AND THE PROTAGONIST OF THE FILM

DESCRIPTION OF THE FILM
Robin Blomdin is a PhD student who gets his first chance to lead a research project in Mongolia and Kyrgyzstan. Through his eyes we get to experience an adventure in a breathtaking landscape, as he tries to unravel how big the glaciers in Central Asia were during the last ice age. The project is a crucial part of the research that's needed to understand past climate change and in turn, predict the future climate of our planet. In the film, Robin leads two science teams through rugged terrain far away from civilisation. Time is running out and the problems keeps piling up. Can he handle the pressure and take the next step in his journey of becoming a scientist?
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
Research Associate – Winter Weather Warning Decision Making Training

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma is currently seeking a Research Associate to collaborate with scientists and instructors at the National Weather Service (NWS) Warning Decision Training Division (WDTD) in Norman, OK, on training for winter weather warning decision making.

The duties of this position are:

1) Integration of NWS operational warning decision making principles of science, technology, and human factors into support of training development and delivery.

2) Collaborate with WDTD instructors in a project-based environment to develop and deliver training on elements and principles of winter and severe weather forecasting, warning decision making, and Decision Support Services (DSS).

3) Develop technical expertise with AWIPS-2, WSR-88D products and applications, remote sensing technologies including satellites and other meteorological instrumentation, and the warning decision-making process.

4) Network and collaborate with intra-agency partners to incorporate lessons and content into effective training deliverables for our primary audience.

5) Acquire skills in operation of Linux and Windows workstations to support development of simulations and other tools for warning decision-making training.

6) Participate in experimental warning/forecast exercises and WDTD training workshops.

7) Attend meetings and professional conferences to become knowledgeable of new meteorological applications and to interact with the applied-research community.

8) Review technical/professional publications and attend seminars to stay abreast of current developments in meteorological applications.

9) Perform related duties as assigned.

The minimum qualifications for the position are:

1) A Master’s Degree in Meteorology, Atmospheric Science, or related area; or

2) A Bachelor’s Degree in Meteorology, Atmospheric Science, or related area and at least three years’ experience in operational meteorology or applied research.

Primary emphasis will be placed on applicants with experience and interest in high-impact winter weather. Substantial consideration will also be given to those candidates who convey effective communication and networking skills.

Applicants should identify expertise within any of the following areas: experience in teaching/training; operational experience related to winter weather and severe weather forecasting and warning-decision making, winter weather forecasting techniques; warning-related inputs such as radar, satellite, lightning,
NWP (both convective allowing and ensembles); weather analysis software (such as AWIPS); graphic design or illustration; project management/teamwork; oral and written communication, including collaboration tools; Linux (or Unix) operating systems; programming skills (Python, JAVA, Javascript, HTML, HTML5, object oriented programming, GIS-based, web-based, etc); human factors and human performance technology.

Normal working hours will be observed except for occasional irregular hours during data collection, warning/forecast experiments, individual development activities, and workshops conducted at remote sites. Incumbents will receive training and gain expertise in the latest training technology and warning decision-making methodologies.

Supervision will be provided by CIMMS staff. Technical oversight will be provided by CIMMS staff, NWS meteorologists, and WDTD 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 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
treinke@ou.edu

JOB REFERENCE: Winter Weather

The University of Oklahoma is an equal opportunity/Affirmative Action employer.
Hazardous Weather Testbed Research Associate

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at the University of Oklahoma (OU) is currently looking for a Research Associate to provide scientific and meteorological expertise, and technical support for annual NOAA/Hazardous Weather Testbed (HWT) Spring Forecasting Experiments (SFEs), and real-time, year-round experimental prediction systems. A key focus will include development of web-based visualization tools to support/enhance SFE activities and post-experiment analysis and verification of convection-allowing ensembles used in the SFEs. The position will be based at the National Severe Storms Laboratory (NSSL) in Norman, OK within the National Weather Center, a high collaborative forecasting, research, and academic environment containing a number of NOAA and OU organizations. As this unique position will serve the interests of both the NSSL and Storm Prediction Center (SPC), the incumbent will work directly with research scientists at NSSL and development meteorologists/operational forecasters at SPC.

The principal duties of this position are:
1. Enhance and develop web-based visualization of real-time ensemble data for NOAA/HWT SFEs, as well as real-time, year-round systems like the Storm Scale Ensemble of Opportunity (SSEO) and NSSL-WRF.
2. Conduct post-experiment analyses/verification of convection-allowing ensembles from Community Leveraged Unified Ensemble (CLUE) experiments, subjective model evaluations, and other experimental and operational systems used in the SFE.
3. Support, develop, and enhance SFE core activities including acceleration of new tools from research to operations, inspiring new initiatives for operationally relevant research, and identifying and documenting sensitivities and performance of state-of-the-art convection-allowing models and ensembles.
4. As needed, represent CIMMS/NSSL/SPC by contributing to scientific publications and attending off-site conferences, workshops, symposia and hazardous-weather-related outreach events.

The minimum qualifications for the position are:
1. A Master’s Degree in Meteorology, Atmospheric Science, or related area.
2. Emphasis will be place on applicants with knowledge and experience in web design and model visualization, as well as knowledge in severe storms meteorology, numerical weather prediction models/ensemble systems including convection-allowing models and application of statistical techniques for forecast verification.

Excellent oral and written communication and public speaking skills are highly desired, as well as proficiency in Python, and a strong understanding of JavaScript, PHP, CSS stylesheets, and how to implement dynamic data visualizations through D3. Applicants should identify experience in web development, graphic design/visualization, programming and scripting languages, numerical weather prediction, and Linux (Unix) environments including AWIPS/N-AWIPS.

Normal working hours will be observed except for occasional irregular hours during data collection, warning/forecast experiments or workshops conducted at remote sites. CIMMS staff will provide general supervision with technical oversight provided by NSSL and SPC scientific staff and management. The incumbent works under general supervision, but is expected to work independently and determine action to be taken in handling all but unusual situations.

The beginning salary is commensurate with educational background and experience, with OU benefits. Information on OU benefits can be found at [http://hr.ou.edu/Employees/New-Employees-at-OU/OU-Benefits-Overview](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  
treinke@ou.edu  
Attn: HWT

*The University of Oklahoma is an Equal Opportunity/Affirmative Action employer.*
CIMMS Research Associate at SPC (Satellite Meteorologist)

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma (OU) is currently looking for a Research Associate to provide leadership, satellite expertise, and meteorological support for the GOES-R Proving Ground effort based at the NOAA/NWS Storm Prediction Center (SPC). The SPC is located at the National Weather Center (NWC) in Norman, OK, a highly collaborative environment containing a number of NOAA and OU organizations, including the National Severe Storms Laboratory, NWS Warning Decision Training Division, NWS Forecast Office, OU School of Meteorology, and OU Center for Analysis and Prediction of Storms. This project will include activities focused to maximize the diagnostic and forecast value of geostationary satellite data and products. The incumbent will interact with NWS operational forecasters to prepare them for new satellite dependent products that will become operationally available after the launch of GOES-R.

The principal duties of this position are:
1. Serve as a “Satellite Liaison” at the SPC and the Hazardous Weather Testbed (HWT), leading GOES-R Proving Ground efforts on satellite based hazardous weather products and demonstrating the unique and complementary value of satellite information to forecasters;
2. Develop and/or document satellite dependent forecast and analysis tools and training focused on the specific needs of hazardous weather forecasters; up to 20% of time may be used to conduct applied research on GOES-R products applicable to improving severe weather forecasting, nowcasting, or warning decision-making;
3. Test and validate proposed new satellite dependent products and decision aids for forecasters with an emphasis on exploring the value of advanced satellite products for detection and short-term prediction of convective storms and associated hazards;
4. Serve as “implementation expert” for selected planned GOES-R products and their proxies;
5. Participate in HWT experiments including the annual Spring Forecast Experiment serving as the focal point for satellite centered activities;
6. Provide satellite expertise to the logistical support of any field experiments headquartered out of the National Weather Center;
7. Bridge satellite-related activities between the Warn-on-Forecast program and the NWS and NESDIS.
8. Represent the GOES-R effort within the HWT by contributing to formal scientific publications, and/or attending off-site conferences, symposia and hazardous weather related outreach events;
9. Develop synergy and shared accomplishments with the NOAA Testbeds and the GOES-R Proving Grounds collocated with the Aviation Weather Center in Kansas City, MO, the NESDIS Satellite Analysis Branch-Weather Prediction Center-Ocean Prediction Center in College Park, MD, and the NWS OCONUS Regional Headquarters in Anchorage, AK and Honolulu, HI.
10. Enhance collaborations with the Cooperative Institute for Meteorological Satellite Studies/University of Wisconsin, Cooperative Institute for Research into the Atmosphere/Colorado State University, and the NASA/Short-term Prediction Research and Prediction Center to test, evaluate, and/or provide feedback on new satellite-based tools and products related to convective storm and fire weather applications.
11. Perform related duties as assigned.

The minimum qualifications for the position are:
1. A Master’s or PhD Degree in Meteorology, Atmospheric Science or related area and at least one year experience in operational meteorology or applied research; additional post-graduate education may be substituted for experience.
2. Emphasis will be placed on applicants with considerable experience in satellite meteorology, and its application to hazardous weather prediction, including deep convection, high resolution numerical models, and ensemble prediction systems.
Applicants should identify their demonstrated expertise with Satellite Meteorology and any of the following areas: Severe Thunderstorms; Numerical Modeling; Ensemble Systems and Probabilistic Forecasting; Warning Decision Making; and Fire Weather Meteorology. Excellent oral and written communication skills are highly desired and a strong ability to work in a collaborative team environment is needed for the position. Please describe experience with Linux (or UNIX) operating systems, software skills including programming and scripting languages, web page development, graphic design or illustration, and AWIPS2/N-AWIPS workstations.

Normal working hours will be observed except for occasional irregular hours during data collection, warning/forecast experiments or workshops conducted at remote sites. The incumbent will receive training and gain expertise in warning and forecasting decision-making.

The new hire will be employed by CIMMS with technical oversight provided by SPC management. The incumbent works under general supervision but is expected to work independently and determine action to be taken in handling all but unusual situations. This is a non-supervisory position, although the incumbent is expected to serve as a leader of scientific or technical experiments, groups, or teams; therefore strong teamwork and leadership skills are necessary. 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  
treinke@ou.edu  
ATTN: GOES-R

The University of Oklahoma is an Equal Opportunity/Affirmative Action employer.
Spring 2017 Graduate Workshops & Presentations

Jan. 18 / Criticism: Is it constructive? Giving and receiving feedback effectively
5:30 PM to 6:30 PM / Deans’ Auditorium, 2nd floor, Pfendler Hall
Offering and receiving constructive criticism effectively is an important professional skill. Attend this presentation to learn about giving and receiving critical feedback to and from peers, supervisors and supervisees.

Jan. 24 / Maintaining work-life balance in graduate school
3:30 PM to 4:30 PM / Room 105AB, Graduate Student Center / Presented by Jennifer Walsh, CAPS
“Work-life balance” isn’t a popular catchphrase or an unattainable goal. It is a necessary skill, and one you will need throughout your lifetime! Attend this presentation by Jennifer Walsh, M.A., LMHC, a Staff Therapist with CAPS, to learn how to maintain your mental, physical, personal and social health while succeeding in your academic and professional roles.

Jan. 26 / Make LinkedIn work for you!
5:30 PM to 6:30 PM / Deans’ Auditorium, 2nd floor, Pfendler Hall
Use LinkedIn to maximize your chances of career success. Attend this presentation to learn why you should be on LinkedIn, how to network with alumni and other groups, search for jobs, and get the most out of this resource.

Jan. 31 / Convert your CV into a resume
5:30 PM to 6:30 PM / Deans’ Auditorium, 2nd floor, Pfendler Hall
What are the differences between the purpose, form and content of CVs and resumes? Convert your CV into a resume, improve an existing resume, and learn about resume do’s and don’ts. Bring a copy of your document(s) to workshop or peer review.

Feb. 1 / Elevator pitch and networking
5:30 PM to 6:30 PM / Deans’ Auditorium, 2nd floor, Pfendler Hall
Attend this workshop to learn about networking strategies, how to develop your personal brand, and refine and practice your elevator pitch.

Feb. 2 / Ace your interview!
5:30 PM to 6:30 PM / PGSC Room 105AB, Graduate Student Center
Develop and refine interviewing skills, whether the interview is over the phone or Skype or in person. Learn how to prepare for it (research and strategies), and learn ideal professional etiquette during and after your interview.

Feb. 21 / Negotiation skills
5:30 PM to 6:30 PM / PGSC Room 105AB, Graduate Student Center
Attend this presentation to learn how to evaluate and negotiate an offer! Understand the evaluation and negotiation process, the critical questions to address, and possible factors for consideration as you compare offers and negotiate the terms of a job offer.
2017 College of Science
Graduate Student International Travel Awards

Deadline: February 17, 2017
For travel between March 1, 2017 and December 31, 2017

~ 3 or 4 awards ranging up to $800 for international travel will be awarded~

Prerequisites:
• must be a full-time PhD student within a Department in the College of Science
• must be making an oral or poster presentation at an international conference

Priority will be given to:
• travel to make an oral presentation at a conference
• attendance at an interdisciplinary conference
• students who have passed their prelims

To apply, please send electronically as one file:
• CV (2 page limit)
• brief summary of research (1 page limit)
• brief statement of purpose for attending conference specifying whether your presentation is oral or poster
• provide web link to conference
• letter of support from research advisor

Send applications to Robin Sipes at rsipes@purdue.edu
VII EARTH SCIENCES CONVENTION
EXHIBITION OF PRODUCTS, NEW TECHNOLOGIES AND SERVICES

XII Geology Congress (GEOLOGIA ´2017)
IX Geophysics Congress (GEOFISICA ´2017)
VII Mining Congress (MINERIA ´2017)
VI Oil and Gas Congress (PETROGAS ´2017)
XIII Informatics and Geosciences Congress (GEOINFO ´2017)

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.

Dr. Manuel A. Iturralde Vinent
President of the Cuban Geological Society

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