EAPS BI-WEEKLY NEWSLETTER
16 July 2018

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BE SURE TO CHECK OUT ALL OF THE EAPS COMMUNICATIONS MEDIA!
Facebook
Twitter
Department Magazine (Spring 2018)
Website News

NEW EAPS PUBLICATIONS


http://www.eaps.purdue.edu/
RETIREMENT RECEPTION FOR DR. JON HARBOR

Please join us for refreshments and light hors d’oeuvres to celebrate Dr. Harbor’s career, and wish him well on his retirement.

See the event details below, as well as on the attached flyer.

Monday, July 30
10:30 A.M. – 12:00 P.M.
Lawson Commons

HOW TO REQUEST LIBRARY SUPPLIES

Due to the fact that the EAPS library has now been integrated into the Library of Engineering & Science, located in the Wilmeth Active Learning Center, the process for request library supplies has now changed. In order to request library supplies, go to the Library of Engineering & Science website, and click on the link that says, “Course Reserve.”

2018 EAPS WELCOME BACK PICNIC

Mark your calendar and bring your families to attend the EAPS Welcome Back Picnic on August 17, 2018 from 4:00 – 7:00 P.M. at the Cumberland Park, North Shelter. Dinner will be provided; but you are welcome to bring a dessert to share. Join the Faculty/Staff vs. Student Soccer Game – families are welcome to play as well.

[See flyer for additional information]

PROPER DISPOSAL OF ELECTRONICS

When you have electronics that need to be removed, please contact either Matt Hughes or Patrick Patterson with CoS IT. These items have to have special paperwork to be completed in order to be disposed of. Moreover, UNDER NO CIRCUMSTANCES are any items to be left in the hallway to be discarded. Either remove to the dumpster out back yourself, or contact the Main Office to arrange pick up by salvage.

STUDENT NEWS

CIMMS POST-DOCTORAL RESEARCH ASSOCIATE – BOUNTY LAYER OBSERVATIONS AND CONVECTIVE

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma (OU) working collaboratively with NOAA’s National Severe Storms Laboratory (NSSL), is currently looking for a highly-qualified Post-Doctoral Research Associate to provide scientific and meteorological expertise in the area of boundary layer observations and convective storms. The Post-Doc will also provide technical support for systems that observe the boundary layer including the NSSL Collaborative Lower-Atmosphere Mobile Profiling System (CLAMPS) that contains a Doppler Wind Lidar (DWL), Atmospheric Emitted Radiance Interferometer (AERI) and Microwave Radiometer (MWR). This position will include participation and support in the field for upcoming research projects that will use these systems to observe the pre-convective and near-storm environments of supercells and tornadoes.

[See flyer for additional information]

WOMEN IN SCIENCE REGIONAL CONFERENCE

The 2018 Organizational Committee for the Women in Science Conference (WISC) is returning this October. This three-day event will be hosted by the Association for Women in Science, Notre Dame Chapter (AWIS-ND) and will be held from October 5-7. This is a conference designed by graduate students for graduate students! The Conference is designed to provide graduate student women in science, technology, engineering, and mathematics a venue for networking and professional development.

[See flyer for additional information]
2ND MIDWEST STUDENT CONFERENCE ON ATMOSPHERIC RESEARCH

The 2nd Midwest Student Conference on Atmospheric Research, sponsored by the Department of Atmospheric Sciences at the University of Illinois at Urbana-Champaign, will be held on 27-28 October 2018. Information including registration, abstract submission, schedule of events, and hotel block reservations is posted on the conference website (http://www.atmos.illinois.edu/mscar).

This cross-disciplinary conference is open to undergraduate and graduate students from universities across the Midwest. Oral and poster presentations are invited in the following research areas:

- Applications of Remote Sensing
- Cloud Microphysics and Chemistry
- Energy, Environment and Society
- Variability and Predictability in the Earth System
- Data Science and Visualization

The deadline to submit abstracts and register for the conference is 28 September 2018. See the attached flyer for more information.

BIG TEN GRADUATE SCHOOL EXPO

At the Big Ten+ Graduate School Expo on September 30 and October 1, 2018, students will:

- get an inside look at graduate school and the application process,
- receive advice about funding opportunities from experts,
- attend a premier graduate school fair and network with representatives from more than 100 of the nation’s top graduate institutions.

This two-day mini-conference is especially designed for students who are looking for advanced degrees:

- Science
- Technology
- Engineering

The Big Ten+ Graduate School Expo awarded more than $55,000 in travel scholarships last year.

Women and members of underrepresented groups are encouraged to attend. Visit http://www.purdue.edu/gradschool/gradexpo/index.html for more information and to join the mailing list!

CIMMS RESEARCH FELLOW – IMPACT BASED DECISION SUPPORT SERVICES

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma is currently looking for a Research Fellow to collaborate with scientists and instructors at the National Weather Service Training Center (NWSTC) in Kansas City, MO to study meteorology and the application of Impact-Based Decision Support Services (IDSS) with NWS partners. IDSS is an important component of the NWS Weather-Ready Nation roadmap, with the goal of providing easily understandable information critical to federal, regional, state, and local partners.

[See attached flyer for complete information]

CIMMS RESEARCH ASSOCIATE

METEOROLOGICAL SOFTWARE DEVELOPER

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma is currently seeking a Research Associate to collaborate with scientists, instructors and developers at the National Weather Service (NWS) Warning Decision Training Division (WDTD) in Norman, OK, in transitioning the Weather Event Simulator for AWIPS-2 into AWIPS-2 baseline code.

[See attached flyer for complete information]
CIMMS RESEARCH ASSOCIATE - SEVERE 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 severe weather warning decision making.

[See attached flyer for complete information]

CIMMS RESEARCH ASSOCIATE - HIGH-RESOLUTION FIRE WEATHER

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 the development of advanced mesoscale hazardous weather analysis and prediction techniques.

[See attached flyer for complete information]

CERTIFICATE IN ENVIRONMENTAL AND SUSTAINABILITY STUDIES

The Certificate in Environmental and Sustainability Studies is a new, interdisciplinary undergraduate certificate administered by the Center for the Environment. The Certificate gives students working in multiple disciplines a broad exposure to how environmental and sustainability challenges and solutions are conceived, represented, and researched in the Humanities, Social Sciences, Agriculture, and STEM disciplines. The certificate introduces students to a wide range of environmental issues from diverse perspectives so that they can more effectively comprehend and evaluate today’s environmental and sustainability challenges.

To learn more, visit the program’s website.

GLOBAL SCIENCE PARTNERSHIPS LEARNING COMMUNITY - CURRENT & INCOMING STUDENTS

Are you interested in learning about other cultures? Do you enjoy sharing things about your own culture? Would you like to make some friends from countries other than your own? If the answer to any of these questions is yes, then check out Global Science Partnerships….a learning community for College of Science Students that is designed to help you become an informed Global Citizen.

Follow this link for more information: https://www.science.purdue.edu/Current_Students/global-science-partners/index.html

[See attached flyer for more information]

ASSISTANT PROFESSOR - GEOSPATIAL / REMOTE SENSING ENGINEERING

The State University of New York College of Environmental Science and Forestry (SUNY ESF) in Syracuse, NY, invites applications for an academic-year, tenure-track position at the rank of Assistant Professor in the Department of Environmental Resources Engineering (ERE). The Department seeks applicants to meet teaching and research needs in the area of geospatial engineering with a focus on remote sensing. The position is open to applicants with interdisciplinary backgrounds (e.g. energy, environmental engineering, geography) who possess strong training and expertise in remote sensing and geospatial analysis (e.g. data acquisition and assimilation, data quality, sensor calibration, classification/regression algorithmic development). Candidates with expertise in terrestrial, atmospheric, oceanic or polar remote sensing are encouraged to apply. Applicants must possess advanced skills, knowledge and background to teach courses in both the ERE graduate and the ABET-accredited undergraduate programs. This position will require the ability to work in a collegial manner with a diverse faculty, staff and student body. We are particularly interested in candidates with a commitment to diversity and inclusiveness. For a detailed position description and to apply please visit the website.
BOILERKEY DEADLINE NOW IN EFFECT

As of July 1, faculty, staff and student employees at all of Purdue’s campuses – West Lafayette, Northwest and Fort Wayne – will need BoilerKey to log into the employee portal.

After the July 1 deadline, if you do not have BoilerKey, you can still sign up for it. The only consequence is that you will not be able to access the employee portal – which means no access to vacation time, bank account information, among other functionalities – after July 1 until you have BoilerKey.

Purdue employees can sign up for BoilerKey by visiting http://purdue.edu/boilerkey. Users can choose from two options: the Duo Mobile software application or a hardware token if a smartphone or tablet is unavailable.

What is two-factor authentication?
BoilerKey adds a second login requirement to go with your password. At Purdue, it’s a numerical code randomly generated on a smartphone app called Duo or hardware token.

Essentially, even if someone were to get ahold of your password (if you fall for a phishing email, for instance), your account would still be protected because only you can physically access your smartphone or key fob to get the necessary login code.

Why do I need it?
BoilerKey protects your sensitive data, including financial information such as your bank account and PUID numbers. This information sits behind the OnePurdue SAP portal. Depending on your role with the university, you may use the portal for a variety of functions that are not limited to vacation requests, sick leave and other personal information.

What if I need a little extra help?
No problem. You can also get help at:

- GoldAnswers (http://purdue.edu/goldanswers)
- Tech Support

FULBRIGHT DEADLINES APPROACHING

Many faculty have expressed an interest in applying for Fulbright Awards. These come in two categories: a 2-12 month US Scholar Award and a 2-6 week Specialist Program Award.

You can read more about these programs using information provided through this link: https://www.purdue.edu/provost/faculty/prestigiousawards.html

The deadlines are rapidly approaching. August 1 is the deadline for the Scholar Award; July 11 is the deadline for the Specialist Award.

Christopher Lukasik (clukasik@purdue.edu) is a Provost’s Fellow this year and is coordinating the applications for both awards for Purdue.

Please contact Chris if you have an interest in putting in an application.

PURDUE’S 150TH SET FOR ‘GIANT LEAPS’ WITH IDEAS FESTIVAL TOPICS

Purdue University’s 150th anniversary theme will be “Giant Leaps,” inspired by Neil Armstrong’s historic statement on the moon, and the centerpiece of the celebration will be a yearlong Ideas Festival, focused on four topics of discussion as Boilermakers everywhere reflect on the past, embrace the present and look to the future.

Kicking off during Homecoming 2018, Purdue will spend a year taking on some of the most pressing challenges and opportunities the world faces. The year will also be an opportunity to look back on a century and a half of serving as one of the nation’s leading land-grant universities.

The four topics, which provide an opportunity for cross-disciplinary input and debate, will begin in fall...
2018 and drive a yearlong conversation during Purdue’s sesquicentennial celebration. Topics include: Giant Leaps in Space, Giant Leaps in A.I., Algorithms and Automation, Giant Leaps in Health, Longevity and Quality of Life, and Giant Leaps to a Sustainable World.

BIRTHDAYS

William Hinze

July 26

BIRTH ANNOUNCEMENT

Congratulations to Professor Dan Chavas and his wife, Laura, on the birth of their daughter:

Maya Kennedy Chavas

June 14, 2018

7 lbs. 14 oz.

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 Katherine Huseman (khuseman@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.

http://www.eaps.purdue.edu/
COME CELEBRATE DR. JON HARBOR’S CAREER AND RETIREMENT

Monday, July 30
10:30 a.m.
Lawson Commons

Join us for refreshments!
2018 EAPS WELCOME BACK PICNIC

Cumberland Park, North Shelter
Friday, August 17
4:00 - 7:00 PM

Dinner will be provided, but you are welcome to bring a dessert to share.

Join Us for the annual Faculty/Staff vs. Student Soccer Game!
Families are welcome to play as well.
CIMMS Post-Doctoral Research Associate – Boundary Layer Observations and Convective Storms

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma (OU) working collaboratively with NOAA’s National Severe Storms Laboratory (NSSL), is currently looking for a highly-qualified Post-Doctoral Research Associate to provide scientific and meteorological expertise in the area of boundary layer observations and convective storms. The Post-Doc will also provide technical support for systems that observe the boundary layer including the NSSL Collaborative Lower-Atmosphere Mobile Profiling System (CLAMPS) that contains a Doppler Wind Lidar (DWL), Atmospheric Emitted Radiance Interferometer (AERI) and Microwave Radiometer (MWR). This position will include participation and support in the field for upcoming research projects that will use these systems to observe the pre-convective and near-storm environments of supercells and tornadoes.

As part of this opportunity, the Post-Doc will be invited to explore new applications of the NSSL CLAMPS ground-based remote-sensing systems. Furthermore, the Post-Doc will be encouraged to explore the potential for new boundary-layer profiling systems under development in the international community (e.g. water vapor differential absorption lidars or unmanned aircraft systems) to enhance NSSL’s mission of understanding severe convective weather processes and supporting National Weather Service forecast operations. The incumbent will be encouraged to propose revised priorities for observing and analyzing the boundary layer in relation to severe convective weather as new knowledge is generated. The incumbent will work directly with research scientists at NSSL and will be encouraged to collaborate actively with scientists from other institutions with expertise in boundary-layer profiling (e.g. OU and the Air Resources Laboratory and Earth System Research Laboratory within NOAA). The position will be based at NSSL in Norman, OK within the National Weather Center (NWC), a highly collaborative forecasting, research, and academic environment containing a number of NOAA and OU organizations.

The principal duties of this position are:

1. Provide scientific and technical expertise in the development and use of current NSSL boundary-layer profiling systems, as well as the exploration of experimental systems, for a) the advancement of our understanding of severe convective weather and b) the consideration of systems that could enhance the NOAA upper-air observing network.

2. Contribute to field operations for upcoming field programs that will use NSSL CLAMPS to observe the pre-convective and near-storm environments of severe convective weather, as well as lead individual scientific analysis of data collected by NSSL CLAMPS.

3. Contribute to scientific publications and present scientific results at professional off-site conferences, workshops, symposia, and hazardous-weather-related outreach events.

The minimum qualifications for the position are:

1. A PhD (or ABD) in meteorology or atmospheric science;
2. Expertise in areas of ground-based remote sensing, dynamics of the boundary layer, and severe convective weather. Applicants should identify experience in these areas, including remote-sensing systems, software used to analyze data from remote-sensing systems, and application of ground-based remote-sensing observations to understand severe convective weather and related phenomenon.

Preferred qualifications include experience with field work and peer-reviewed publications.
Normal working hours will be observed except for irregular hours during field data collection and/or conferences/workshops conducted at remote sites. The incumbent will work under general supervision, and is expected to contribute to field efforts as needed, but will work independently and determine his/her own specific research project(s) related to the position description.

The beginning salary for this position will be based on qualifications and experience and will include University benefits. Information on benefits may be found at: http://hr.ou.edu/. The expected start date for the position is no later than January 2019.

Appointment to this position is contingent on passing a Department of Commerce/NOAA background check.

To apply, please forward your CV, 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: Boundary Layer Post-Doc
AWIS

Women in Science Regional Conference

Notre Dame, IN

Networking & Professional Development
hosted by the Association of Women in Science - Notre Dame Chapter

- Academic advice panel
- Work outside of academia panel
- Research & publications panel
- Workshops & resume reviews
- Oral presentations
- Poster session
- Publishing exhibition
- Cocktail networking & social

Registration opens June 18th

awis.nd.edu/WS

awis@nd.edu
The 2nd Midwest Student Conference on Atmospheric Research, sponsored by the Department of Atmospheric Sciences at the University of Illinois at Urbana-Champaign, will be held on 27-28 October 2018. Information including registration, abstract submission, schedule of events, and hotel block reservations is posted on the conference website (http://www.atmos.illinois.edu/mscar).

This cross-disciplinary conference is open to undergraduate and graduate students from universities across the Midwest. Oral and poster presentations are invited in the following research areas:

- Applications of Remote Sensing
- Cloud Microphysics and Chemistry
- Energy, Environment and Society
- Variability and Predictability in the Earth System
- Data Science and Visualization

The deadline to submit abstracts and register for the conference is 28 September 2018. Any questions regarding abstracts should be directed to mscar-abstracts@atmos.illinois.edu and questions involving registration should be sent to mscar-register@atmos.illinois.edu. Authors of accepted presentations will be notified in early October. The cost of registration is $60, which includes the keynote banquet and lunch on Sunday. Presenting a talk or poster is not a requirement to attend the conference and there is no fee for abstract submission.

For additional information, please contact mscar@atmos.illinois.edu.
Greetings from The Graduate School at Purdue University,

Please forward this opportunity to your students, your colleagues, and to the student organizations in your area. Students who join the mailing list by June 1, 2018, will be entered in a drawing for a free registration!

At the Big Ten+ Graduate School Expo on September 30 and October 1, 2018, students will:

- get an inside look at graduate school and the application process,
- receive advice about funding opportunities from experts,
- attend a premier graduate school fair and network with representatives from more than 100 of the nation’s top graduate institutions.

This two-day mini-conference is especially designed for students who are looking for advanced degrees:

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

The Big Ten+ Graduate School Expo awarded more than $55,000 in travel scholarships last year. Women and members of underrepresented groups are encouraged to attend.

Visit http://www.purdue.edu/gradschool/gradexpo/index.html for more information and to join our mailing list!

Thank you,

Lee Gordon
Director, Office of Graduate Admissions
The Graduate School
Purdue University

If you do not wish to receive further communication regarding this year’s event, please reply with the word “unsubscribe” in the subject line to gradexpo@purdue.edu.
CIMMS Research Fellow – Impact Based Decision Support Services

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma is currently looking for a Research Fellow to collaborate with scientists and instructors at the National Weather Service Training Center (NWSTC) in Kansas City, MO to study meteorology and the application of Impact-Based Decision Support Services (IDSS) with NWS partners. IDSS is an important component of the NWS Weather-Ready Nation roadmap, with the goal of providing easily understandable information critical to federal, regional, state, and local partners.

The duties of this position are:

1) Develop expertise in meteorological forecasting and the delivery of Impact-Based Decision Support Services (IDSS).
2) Develop skills in operation of Linux and Windows workstations.
3) Participate in NWS designed simulations to study the effectiveness of newly developed applications and improve field use.
4) Review technical and professional publications, and attend seminars to stay abreast of current developments in meteorological and hydrological applications.
5) Attend meetings and professional conferences to understand new meteorological and hydrological applications and interact with the operational community.
6) Perform related duties as assigned to support the development and delivery of training for IDSS.

The minimum qualifications for the position are:

1) A Master’s Degree in Meteorology, Atmospheric Science or related area;
2) Or a Bachelor’s Degree in Meteorology, Atmospheric Science or related area and at least three years’ experience in operational meteorology, operational hydrology or applied research;
3) Emphasis will be placed on applicants with experience in: forecast operations, operational forecast systems, and adult education.

Applicants should identify expertise with any of the following areas: operational forecasting, providing decision support information, and adult education. Excellent oral and written communication skills are needed for the position. Please indicate experience with Linux (or UNIX) operating systems, National Weather Service systems, and commercial software applications specifically Dreamweaver, Articulate, PowerPoint, and other graphic design programs and software. Please also indicate any experience with emergency management or similar fields.

Normal working hours will be observed except for occasional irregular hours during system testing or workshops. Incumbents will receive training and gain expertise in the latest meteorological forecasting systems. This position is located in Kansas City, Missouri.

Supervision will be provided by CIMMS staff. Technical oversight will be provided by CIMMS staff, NWS meteorologists/hydrologists, and NWSTC 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.
Beginning salary is based on experience and qualifications. The position is a **limited-term 18-20 month** appointment and has the standard university insurance benefits but does not include retirement.

The position is expected to begin by September 1, 2018.

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: NWSTC IDSS

*The University of Oklahoma is an equal opportunity/Affirmative Action employer.*
CIMMS Research Associate – Meteorological Software Developer

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma is currently seeking a Research Associate to collaborate with scientists, instructors and developers at the National Weather Service (NWS) Warning Decision Training Division (WDTD) in Norman, OK, in transitioning the Weather Event Simulator for AWIPS-2 into AWIPS-2 baseline code.

The duties of this position are:

1) Develop technical expertise with the AWIPS-2 (Advanced Weather Interactive Processing System) software.
2) Develop and add functionality to the Weather Event Simulator software for AWIPS-2 compatibility.
3) Develop the Weather Event Simulator software to enhance utility by NWS field office staff including forecasters, science officers and focal points.
4) Adapt the Weather Event Simulator software for potential use on the NWS operational hardware and software platforms.
5) Acquire skills in operation of Linux and Windows workstations and virtual machines.
6) Participate in experimental warning/forecast exercises and WDTD training workshops.
7) Review technical/professional publications and attend seminars to stay abreast of current developments in meteorological software applications.
8) Perform related duties as assigned.

The minimum qualifications for the position are:

1) A Master’s Degree in Computer Science, Computer Engineering, Meteorology, Atmospheric Science, or related area; or
2) A Bachelor’s Degree in Computer Science, Computer Engineering, Meteorology, Atmospheric Science, or related area and at least three years fulltime related experience.

Emphasis will be place on applicants with software support and development experience including:

- Strong knowledge of Java, JMS and Eclipse
- Basic understanding of relational database design
- Intermediate knowledge of standard query language (SQL) for simple to complex queries
- Strong understanding of Object Oriented Programming
- User Interface Design using tools like SWT

Applicants should identify expertise within any of the following areas: Linux shell scripting or software/hardware support; Python; Service Oriented Architectures or the Spring framework; Hibernate; SWT or Eclipse RCP; PostgreSQL database; Experience with basic computer networking; XML; Eclipse Integrated Development Environment; Project management, teamwork; Oral and written communications.

Normal working hours will be observed except for occasional irregular hours during data
collection, warning/forecast experiments, or 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 beginning salary will be based on qualifications and experience with benefits provided through The University of Oklahoma (https://hr.ou.edu/). The start date for the position is negotiable.

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: Meteorological Software Development

*The University of Oklahoma is an equal opportunity/Affirmative Action employer.*
CIMMS Research Associate – Severe 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 severe 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 mine warning operations data and develop/deliver training on severe weather warning decision making principles.
3) Develop technical expertise with AWIPS-2, WSR-88D products and applications, and the warning decision-making process.
4) Acquire skills in operation of Linux and Windows workstations to support development of simulations and other tools for warning decision-making training.
5) Participate in experimental warning/forecast exercises and WDTD training workshops.
6) Attend meetings and professional conferences to become knowledgeable of new meteorological applications and to interact with the applied-research community.
7) Review technical/professional publications and attend seminars to stay abreast of current developments in meteorological applications.
8) 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 fulltime experience in operational meteorology or applied research.

Emphasis will be place on applicants with severe weather experience.

Applicants should identify expertise within any of the following areas: experience in teaching/training; operational experience related to severe weather forecasting and warning, including winter weather forecasting techniques; warning-related inputs such as radar, satellite, lightning, and convective allowing models; 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, Perl, JAVA, 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, or 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 beginning salary will be based on qualifications and experience with benefits provided through The University of Oklahoma (https://hr.ou.edu/). The start date for the position is negotiable.

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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: WDTD – Severe Weather Training

The University of Oklahoma is an equal opportunity/Affirmative Action employer.
CIMMS Research Associate - High-Resolution Fire Weather

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 the development of advanced mesoscale hazardous weather analysis and prediction techniques. A key focus will be development and enhancements to fire weather forecasting guidance, including prediction of fine resolution high impact environments conducive to rapid fire ignition and spread, utilizing observational and Numerical Weather Prediction (NWP) convection-allowing model data. The position will be based at the Storm Prediction Center (SPC) in Norman, OK within the National Weather Center (NWC), a highly collaborative forecasting, research and academic environment containing a number of NOAA and OU organizations. The incumbent will work directly with development meteorologists and operational forecasters at the SPC, and will have opportunities to interact with NOAA and academic scientists within the NWC, as well as scientists and forecasters in the lightning, fire weather, and severe storm communities.

The principal duties of this position are:

1. Provide scientific and technical expertise in the development, testing, evaluation, and transition to NWS operations of innovative tools and technologies designed to improve the prediction of fire weather conditions, thunderstorms, and lightning.

2. As appropriate, contribute to Hazardous Weather Testbed experiments to test and evaluate guidance and products central to SPC core mission requirements relating to fire weather forecasting.

3. As needed, represent CIMMS/SPC by contributing to scientific publications and attending off-site conferences, workshops, symposia and hazardous-weather-related outreach events.

4. 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.

2. Emphasis will be placed on applicants with knowledge and experience in areas of fire weather, thunderstorms, lightning, numerical weather prediction models/ensemble systems including convection-allowing models, and application of statistical techniques including creation of probabilistic hazard information.

Applicants should identify experience in software development including compiled and scripting programming languages, web page development, graphic design/visualization, and Linux (UNIX) environments including AWIPS2/N-AWIPS systems. Excellent oral and written communication skills are highly desired.
Normal working hours will be observed except for occasional irregular hours during data collection, warning/forecast experiments or workshops conducted at remote sites. General supervision will be provided by CIMMS staff with technical advice 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 may serve as a leader of technical teams. The salary for this position will be based on education, experience, skills, and knowledge. Information on University benefits may be found at: http://hr.ou.edu.

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: Fire Weather

*The University of Oklahoma is an Equal Opportunity/Affirmative Action employer.*
Are you interested in making friends from around the world?
Are you interested in increasing your marketability by improving your intercultural competence?
Do you enjoy learning about other cultures AND sharing things about your own culture?
Would you be willing to mentor a new College of Science student (freshman, transfer or exchange)?

Global Partners are Purdue College of Science student leaders who work to create a comfortable and safe environment in which entering students can individually and collectively “find their feet” in the Purdue community. These partners provide new students with the tools and knowledge they need to start their college career, and aid them throughout their transitions as first-year students at Purdue University.

The Global Partners program is also dedicated to enhancing cross-cultural understanding and to helping all students involved expand their knowledge of cultures other than their own.

Join us for the 2018/19 school year for monthly dinners, trips and activities (free for you!) that are designed to help you learn about other cultures........while having fun!

Orientation (2018 on Aug 19)                      Trip to the Eitlejorg in Indianapolis                                   Learning a folk dance

To find out more about the Global Science Partners, follow this link:  http://www.science.purdue.edu/gsp/

Getting acquainted at one of our events

To sign up for Global Science Partners, please follow this link:  https://purdue.ca1.qualtrics.com/jfe/form/SV_8Bo4arvA9JsL6f3

Halloween Service Event at the YMCA – October 2018

For more information, please contact Terry Ham at:  hamt@purdue.edu  or  globalsciencepartners@purdue.edu