

# EAPS WEEKLY NEWSLETTER

30 March 2020

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BE SURE TO CHECK OUT ALL OF THE EAPS COMMUNICATIONS MEDIA!

[Facebook](#)

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[Department Magazine](#)

[Website News](#)



## DEPARTMENT NEWS

### EAPS COLLOQUIA

Nadine Unger  
University of Exeter  
Thursday, April 2, 2020  
3:30 am  
WebEx

### PHD DEFENSE

Andrea Orton  
Thursday, April 9  
2:30PM  
<https://purdue.webex.com/join/mebaldwi>



## EAPS MEETINGS & EVENTS

### EAPS FACULTY MEETINGS

Tuesday's 3:00 PM  
HAMP 2244

April 14  
May 5

### PRIMARY COMMITTEE MEETINGS

Tuesday's 3:00 PM  
HAMP 2244

April 7  
April 21

### SPRING 2020

EAPS AWARDS BANQUET  
(POSTPONED)

### EAPS K-12 OUTREACH CALENDAR OF EVENTS

[http://www.eaps.purdue.edu/outreach/Outreach\\_News.html](http://www.eaps.purdue.edu/outreach/Outreach_News.html)

### REPORT YOUR OUTREACH AND ENGAGEMENT ACTIVITIES

<http://bit.ly/EAPSOut>

## **COMPUTER ISSUES**

As everyone is aware no one is in the office to help these days and it seems like our supervisors want to know we are actually doing things remotely ;- ) so to that end when you have any computer related issues please email [ScienceHelp@purdue.edu](mailto:ScienceHelp@purdue.edu) when you need any kind of help instead of contacting us directly. That will cover web, Linux, Mac and Windows related issues. It also works for printer problems too but currently no one is servicing those.

Thank you all and when things return to normal please stop by the IT office and say "Hi!"; although, emailing ScienceHelp will still work for issues then and our bosses will still appreciate it. Please stay healthy along with your families and friends.

## **EAPS FRONT OFFICE**

Please know that EAPS is here for our students. We want everyone to be safe and healthy. Remember to practice social distancing. Contact your instructors should you have a question concerning your classes. To reach the EAPS front office staff, please email Kathy Kincade ([kkincade@purdue.edu](mailto:kkincade@purdue.edu)) or Katherine Huseman ([khuseman@purdue.edu](mailto:khuseman@purdue.edu)). The office phones are also being monitored and you are welcome to call. The business office can be reached at [eapsbo@purdue.edu](mailto:eapsbo@purdue.edu).

## **ALAN HOLTMAN RECEIVES 'THUMBS UP'**

Alan Holtman, Building Deputy, received a 'Thumbs Up' in the March 13<sup>th</sup> PurdueToday. We all appreciate the great job Alan does for everyone and it is great that he has been publically acknowledged

"Alan Holtman (Civil Engineering): I'd like to thank Alan Holtman for going above and beyond his job duties to ensure that we received important conference material. When a package didn't arrive as expected, Alan tracked down the package and then took time to personally deliver the package across campus just in time for our conference. Thanks, Alan, for going above and

beyond! -- Eric Butt and Radiological and Environmental Management"

[https://www.purdue.edu/newsroom/purduetoday/thumbs\\_up/2020/Q1/alan-holtman.html](https://www.purdue.edu/newsroom/purduetoday/thumbs_up/2020/Q1/alan-holtman.html)

## **EAPS FACULTY / STAFF RESOURCE FUND - FALL SEMESTER CALL OUT**

A quick reminder about our dept resource fund which can be used for professional development activities. As a reminder, this award 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".

\*\*\*\*\*

### **Guidelines:**

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.

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## **OUTREACH NEWS**

The Purdue University Superheroes of Science Podcast is on most podcast players as well as YouTube! Check out some of the latest episodes including interviews with Robert Nowack, Michael Baldwin, Andy Najafiarab, and Greg Nearing.

Interested in upcoming outreach events?

Check out our calendar of events:

[http://www.eaps.purdue.edu/outreach/Outreach\\_News.html](http://www.eaps.purdue.edu/outreach/Outreach_News.html)

Did you know that in addition to the Podcast, EAPS K-12 Outreach is on Twitter (@Purdue SOS), YouTube (Superheroes of Science), Facebook (EAPS.out), and Pinterest.



## **LEARNING REMOTELY OVERVIEW**

Students, starting March 23, all teaching and learning is happening online through the end of spring semester. Your instructors worked over spring break to make changes that allow remote course completion, and will contact you about course-specific alterations.

[Read Quick Start First](#)

In the meantime, begin with the newly created Learning Remotely Quick Start. This guide is a checklist to help Purdue students jump-start into remote learning. It also includes hyperlinks to Purdue services being offered remotely, and connects to a lists of free wifi hotspots and Internet resources. There is even a sample schedule that you can use to organize your time.

Please bookmark this Learning Remotely webpage, which curates and prioritizes other resources to help you prepare to continue learning in an online environment. The page is updated frequently and new material will be identified.

On this page:

1. What can I expect?
2. How do I learn online?
3. How do I communicate in online classes?
4. How do I work collaboratively with my peers?
5. What accommodations are available?
6. Is there additional software support?
7. What additional student support is available?

For complete information, please visit:

<https://www.purdue.edu/innovativelearning/learning-remotely/#h07>

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## **VISITING INSTRUCTOR- GEOSPATIAL SCIENCES**

**Position Details:** Gustavus Adolphus College invites applications for a full-time, one-semester position of Visiting Instructor (or Assistant Professor with appropriate qualifications) in the Department of Geography to begin September 1, 2020 and ending December 30, 2020.

**Institution Information:** Gustavus Adolphus College seeks employees who are committed to and will actively contribute to our efforts to celebrate cultural and intellectual richness and be resolute in advancing inclusion and equity. The Gustavus Acts strategic plan renews our commitment to equip students to lead purposeful lives, and to act on the great challenges of our time by diversifying and expanding the Gustavus community and delivering a distinctive and integrated liberal arts education. We are committed to fostering a community that embodies the value of a liberal arts education rooted in heritage and pluralism. We engage in this work at a coeducational, private, Lutheran (ELCA), residential, national liberal arts college of 2200 students.

The mission of the Gustavus Adolphus College Geography Department is to create a community that nurtures knowledge, skills, and values that guide us in an increasingly complex and interdependent world. Through innovative teaching and scholarship, we seek to cultivate in

our students a critical awareness of human-environment relationships, an understanding of the varied dimensions of global change, and respect for the diversity of places and people. We are committed to applying geographic knowledge to build an economically, socially, and environmentally just world.

**Major/Essential Functions:** The one semester teaching assignment will be 3.5 courses. Primary teaching responsibilities will include introductory GIS and remote sensing of the environment.

**Minimum Qualifications:**

- PhD or Masters degree in geography (or a related field);
- Demonstrated effectiveness in teaching;
- Evidence of a commitment to undergraduate teaching and student advising; and
- Experience working with people from diverse backgrounds and a demonstrated commitment to pedagogical methods that enable students across racial, ethnic, and socio-economic groups to reach their maximum potential.

**Preferred Qualifications:**

- Experience teaching GIS and remote sensing.
- Application Procedures: To apply, visit <https://gustavus.edu/jobs> and complete the online application. The documents that must be uploaded include the following:
- Letter of application that addresses the position qualifications;
  - Curriculum vitae;
  - A brief (one page) statement of teaching philosophy;
  - Transcripts (scanned copies acceptable); and
  - The names and contact information for three professional references (at least one must be able to address teaching experience and effectiveness).

For full consideration, **applications must be received by April 1, 2020**. While applications may be accepted after this date, it is not guaranteed that they will be considered. At this time, please only upload the required documents listed above; finalists will be asked to submit sample syllabi and student evaluations. Incomplete applications will not be considered by the search committee.

[See attached flier for complete information]

## **CIMMS RESEARCH FELLOW – WEATHER AND TRANSPORTATION APPLICATIONS**

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at the University of Oklahoma and the National Severe Storms Laboratory (NSSL) is currently seeking a fixed-term (12-24 months) Research Fellow starting in Summer 2020 to assist with the development of impacts-based decision support tools as a part of the Transportation Applications Team. This team works collaboratively with the National Weather Service (NWS) and the Federal Aviation Administration (FAA) to develop the next generation of products and tools for use within operations, with particular focus on decision support for transportation-related warnings/advisories (e.g., blizzards, aircraft hail encounters, icing, etc.).

The duties of this position will be to: 1. Work collaboratively with the NWS and FAA to develop decision-support tools for use in operations; 2. Assist with quality control and evaluation of observations within the Multi-Radar/Multi-Sensor (MRMS) system (<http://mrms.nssl.noaa.gov>). The minimum qualifications for the position are:

1. A Bachelor's Degree in Meteorology, Geography, Civil Engineering, or another related area;
2. Experience in programming (C++, Python, Fortran);
3. Experience with visualization of meteorological datasets.

Please identify experience with programming and meteorological datasets in your cover letter.

Supervision will be provided by CIMMS staff. The incumbent is not expected to supervise other employees. Salary for this position is \$40,000. Standard insurance benefits are included (more information may be found at <http://www.hr.ou.edu>). The incumbent would ideally start in Summer 2020, but the starting date is negotiable.

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



CIMMS Careers  
University of Oklahoma  
120 David L. Boren Blvd., Suite 2100  
Norman, OK 73072-7304  
[CIMMS-careers@ou.edu](mailto:CIMMS-careers@ou.edu)  
ATTN: Transportation Applications

[See attached flier]

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### **DOE PROGRAM CREATES OPPORTUNITIES FOR GRADUATE STUDENTS**

#### **Applications now being accepted for 2020 Solicitation 1**

Since its inception in 2014, the [U.S. Department of Energy \(DOE\) Office of Science Graduate Student Research \(SCGSR\) program](#) has helped prepare graduate students for science, technology, engineering, or mathematics (STEM) careers.

The SCGSR program provides supplemental awards to outstanding U.S. graduate students to pursue part of their graduate thesis research at a DOE laboratory/facility in areas that address scientific challenges central to the Office of Science mission. This research opportunity is expected to advance the graduate students' overall doctoral thesis while providing access to the expertise, resources, and capabilities available at the DOE laboratories/facilities.

The SCGSR program is now accepting applications for the 2020 Solicitation 1.

**Applications are due by 5 p.m. Eastern time  
Wednesday, May 6, 2020.**

Detailed information about the program, including eligibility requirements and access to the online application system, can be found at <https://science.osti.gov/wdts/scgsr/>

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### **PURDUE UNDERGRADUATE RESEARCH CONFERENCE CALL FOR JUDGES**

Attention Grad and Post-Doc students, we are needing judges for this year's Purdue Undergraduate Research Conference Poster Symposium. The Poster Symposium is Tuesday, April 14<sup>th</sup> in the Purdue Memorial Union Ballrooms from 9:30am – 12:00pm & 2:00pm – 4:30pm.

Please register at the following link:  
<https://www.purdue.edu/undergrad-research/conferences/spring/judges.php>

**Tuesday, April 14  
Poster Symposium  
Purdue Memorial Union Ballrooms  
9:30/am – 12/pm & 2/pm – 4:30/pm**

Light refreshments will be available at the symposium.

[See flier attached for more information]

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### **RESEARCH ASSOCIATE – HAZARDOUS WEATHER TESTBED**

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma currently is seeking a research associate to collaborate with scientists in the National Severe Storms Laboratory's (NSSL) Warning Research & Development Division on the implementation of severe weather applications to support research to operations initiative via transition into the National Weather Service's Advanced Weather Interactive Processing System- 2nd generation (AWIPS2) operational software platform. The position is located in Norman, Oklahoma.

The duties of this position are:

1. Integration of NSSL's experimental datasets into AWIPS2;
2. Development of new applications and visualization techniques in the AWIPS2 environment and platform;
3. Support and participate in applied research and development and operational experiments in the Hazardous Weather Testbed;
4. Acquire and apply expertise about severe local storms in the warning decision-making process.

[For complete information please see flier]

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### **CIMMS RESEARCH ASSOCIATE – SCIENTIFIC PROGRAMMER FOR DEVELOPING GRAPHICAL FORECAST EDITOR TRAINING IN AWIPS**

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at the University

of Oklahoma (OU) seeks to fill a Research Associate position to support the National Oceanic and Atmospheric Administration (NOAA) Forecast Decision Training Division (FDTD) in Boulder, Colorado, on training for the Advanced Weather Interactive Processing System (AWIPS) Graphical Forecast Editor (GFE).

The principal duties of this position are:

- Development of training and online reference material for new and existing AWIPS GFE Focal Points at NWS Weather Forecast Offices and National Centers
- Analysis of current and future versions of the GFE software, including local settings and implementation at various NWS weather forecast offices, in order to identify operational best practices.

[See flier for additional information]

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### **ACCEPTING APPLICATIONS FOR GRADUATE STUDENT COORDINATORS FOR SUMMER URM PROGRAM**

The Office of Graduate Diversity Initiatives (OGDI) is now accepting applications from Purdue Graduate Students, to participate as Student Coordinators, in the 2020 Summer Research Opportunities Program (SROP).

8-10 Coordinators will be hired for the 8 week program (June 1st through July 24th), at a 50% (20 hrs) position.

Application located here:

[Summer2020\\_Coordinator\\_Apply](#)

The **deadline for applications is April 17th**, with decisions being made by the beginning of May 2020.

[See attached flier for additional information]

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### **FED PBL MODELER AT NSSL**

NSSL is hiring a Federal scientists with expertise in PBL parameterization on aspects associated with convective scale prediction. If interested, please see:

Job Announcement # (MAP): OAR-NSSL-2020-0010

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<https://www.usajobs.gov/GetJob/ViewDetails/560575900>

NSSL has posted a Meteorologist, ZP3 or ZP4 with full promotion potential to the ZP4, position within FRDD. These announcements close on 3/10/2020

Job Announcement # (DE): OAR-NSSL-2020-0011

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<https://www.usajobs.gov/GetJob/ViewDetails/560576000>

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### **TENURE TRACK OPPORTUNITY – UNIVERSITY AT ALBANY-SUNY**

The Atmospheric Sciences Research Center (ASRC) of the University at Albany, State University of New York, invites applicants seeks to hire a tenure-track Professor of Empire Innovation (rank open), effective Fall 2020. This New York State supported college-year appointment allows for supplementary summer salary from external research funding. We currently seek to fill this position, with an emphasis on the area of High-Resolution Atmospheric Modeling. The ideal candidate will have expertise in meteorological as well as air quality and photochemical modeling, be interested in urban environments and land-sea interaction, be fluent in modern computational methods including data assimilation approaches, and have a firm understanding boundary-layer meteorology. ASRC has a tradition innovation in research, joy in discovery, and enthusiasm for working with colleagues in different disciplines. ASRC also values collaboration with researchers from diverse backgrounds who bring fresh perspectives. The successful candidate will be expected to pursue and secure funding to support a robust research program, publish in relevant academic fields, and lead efforts that support the planned continuing investment in this area of SUNY strength and focus. Priority will be given to candidates willing to engage in cross-disciplinary collaboration, especially with the University's Public Health program in environmental epidemiology and community health management (e.g., modeling of particulate matter and reactive gases). Outstanding candidates from other areas of Atmospheric Science will also be considered and are encouraged to apply.

Follow link for additional information:

[https://www.albany.edu/asrc/job\\_opportunities.php](https://www.albany.edu/asrc/job_opportunities.php)

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### **AMS VIRTUAL CAREER FAIR**

The American Meteorological Society (AMS) is hosting a Virtual Career Fair on April 2nd from 12:00-3:00 p.m. EST. This event is being marketed to 13,000+ AMS members, as well as 14,000+ registered job seekers, and is the perfect way to connect with professionals who are seeking a new career! You can connect with candidates with the qualifications you are looking for, and you can do it without leaving your desk or home computer!

Attached flyer includes a breakdown of the different options, as well as a link to a video to show you how the event works. [Here's How It Works](#)

[Flier attached for more information]

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### **GLOBAL ACADEMIC INVENTORS NETWORK (GAIN)**

Gain advice from the experts. Connect to a Global Network of Inventors. It's easy and free!

[See flier attached for more information]

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### **WUSTL MIDWEST AEROSOL SUMMER SCHOOL**

Aerosol Science and Engineering is an enabling discipline with applications in fields such as environment, Energy, Advanced Materials, Medicine, and Agriculture.

Experience two days of interactive learning with peers from the Midwest! Discussions and activities will be led by leading researchers in the aerosol field.

Registration is required, please visit:

<https://sites.wustl.edu/aerosolsummerschool>

For more information, please contact Katie Bay:

[k.bay@wustl.edu](mailto:k.bay@wustl.edu)

[See attached flier more additional information]

### **OPENING FOR A NUMERICAL WEATHER PREDICTION (NWP)**

DTN has an opening for a Numerical Weather Prediction (NWP) Scientist in its Norman, OK, office. The successful candidate will assist with supporting and enhancing DTN's WRF-based NWP capabilities. Key tasks involve applying WRF data assimilation techniques and developing relevant applications while working in an AWS high-performance computing (HPC) environment. [https://dtm.wd1.myworkdayjobs.com/en-US/DTN\\_Careers/job/Norman-OK/Numerical-Weather-Prediction--NWP--Scientist\\_R-000024](https://dtm.wd1.myworkdayjobs.com/en-US/DTN_Careers/job/Norman-OK/Numerical-Weather-Prediction--NWP--Scientist_R-000024)

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### **MOBILE iOS APPLICATION DEVELOPER POSITION**

DTN currently has a Mobile iOS Application Developer opening for an individual with a passion for learning and solving challenging problems

[https://dtm.wd1.myworkdayjobs.com/en-US/DTN\\_Careers/job/Norman-OK/Mobile-iOS-Application-Developer\\_R-000057](https://dtm.wd1.myworkdayjobs.com/en-US/DTN_Careers/job/Norman-OK/Mobile-iOS-Application-Developer_R-000057)

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### **METEOROLOGICAL DATA SCIENTIST POSITION**

DTN is looking for a Meteorological Data Scientist to join our team!

[https://dtm.wd1.myworkdayjobs.com/en-US/DTN\\_Careers/job/Norman-OK/Data-Scientist\\_R-000031](https://dtm.wd1.myworkdayjobs.com/en-US/DTN_Careers/job/Norman-OK/Data-Scientist_R-000031)

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### **CIMMS POST-DOCTORAL RESEARCH ASSOCIATE – SEVERE WEATHER**

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma (OU) is currently looking for a Post-doctoral Research Associate to work with the National Severe Storms Laboratory (NSSL). This position will work at NSSL in Norman, OK, which is located within the National Weather Center (NWC), a highly collaborative operational, research, and academic environment containing a number of NOAA and OU organizations. Here,

you will work in an exciting environment focused on the development of operationally relevant severe weather warning applications and techniques and have opportunities to interact with NOAA scientists, NWS forecasters and academic scientists within both the NWC and the broader meteorological community. As a CIMMS Postdoctoral Research Associate working with NSSL, you will provide scientific and meteorological expertise, along with technical support, for the development of severe convective weather applications for the prediction (0-60 minute time scale) and detection of hazards such as tornadoes, damaging wind, large hail, and lightning. This position is heavily oriented in applied research, and the list below describes potential projects:

- 1. Develop and/or improve calibrated Probabilistic Hazard Information for the prediction of severe weather hazards;
- 2. Develop, test, and implement new severe weather warning guidance algorithms for use in the Multi-Radar Multi-Sensor (MRMS) system and on the WSR-88D radar network;
- 3. Develop machine learning techniques for use in severe weather data analysis and short term nowcasting of tornadoes, hail, damaging wind and lightning;
- 4. Improve lightning forecasts and applications of lightning data in operational use.

The minimum qualifications for the position are:

- 1) A Doctorate Degree in Meteorology, Atmospheric Science, or related area.

When applying, please indicate your preference(s) as to which project areas in which you are interested. Additionally, please include information related to your experience in software development, web development, graphic design/visualization, and Linux (UNIX) environments including the AWIPS2/N-AWIPS systems. Your ability to communicate clearly is of utmost importance.

Normal working hours will be observed except for occasional irregular hours during data collection, warning/forecast experiments, or workshops conducted at remote locations. General

supervision will be provided by CIMMS staff with technical oversight provided by NSSL and CIMMS management. You will work under general supervision but are expected to work independently and determine action to be taken in handling all but unusual situations. This is a non-supervisory position. Salary is based on your education, experience, skills, and knowledge.

Information on University of Oklahoma benefits may be found at <https://hr.ou.edu>.

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

CIMMS Careers  
University of Oklahoma CIMMS  
120 David L. Boren Blvd., Suite 2100  
Norman, OK 73072-7304  
CIMMS-careers@ou.edu  
Job Requisition: Severe Weather Post-Doc

**CIMMS RESEARCH SCIENTIST – SEVERE WEATHER RESEARCH SCIENTIST**

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma (OU) is currently looking for a Research Scientist to work with the National Severe Storms Laboratory (NSSL). These positions will work at NSSL in Norman, OK, which is located within the National Weather Center (NWC), a highly collaborative operational, research, and academic environment containing a number of NOAA and OU organizations. Here, you will work in an exciting environment focused on the development of operationally relevant severe weather warning applications and techniques and have opportunities to interact with NOAA scientists, National Weather Service forecasters and academic scientists within both the NWC and the broader meteorological community.

As a CIMMS Research Scientist working with NSSL, you will provide scientific and meteorological expertise, along with technical support, for the development of severe convective weather applications for the prediction (0-60 minute time scale) and detection of hazards such as tornadoes, damaging wind, large hail, and lightning. This position is heavily oriented towards the Research-to-Operations process, and the list below describes potential projects:

1. Develop and/or improve calibrated Probabilistic Hazard Information for the prediction of severe weather hazards;

2. Develop, test, and implement new severe weather warning guidance algorithms for use in the Multi-Radar Multi-Sensor (MRMS) system and on the WSR-88D radar network;

3. Develop machine learning techniques for use in severe weather data analysis and short term nowcasting of tornadoes, hail, damaging wind and lightning;

4. Improve lightning forecasts and applications of lightning data in operational use.

The minimum qualifications for the position are:

1) A Doctorate Degree in Meteorology, Atmospheric Science, or related area;

When applying, please indicate your preference(s) as to which project areas in which you are interested. Additionally, please include information related to your experience in software development, web development, graphic design/visualization, and Linux (UNIX) environments including the AWIPS2/N-AWIPS systems. Your ability to communicate clearly is of utmost importance. Please indicate any experience with writing proposals and managing projects as well.

Normal working hours will be observed except for occasional irregular hours during data collection, warning/forecast experiments, or workshops conducted at remote locations. General supervision will be provided by CIMMS staff with technical oversight provided by NSSL and CIMMS management. You will work under general supervision but are expected to work independently and determine action to be taken in handling all but unusual situations. This is a non-supervisory position, although you may serve as a leader of technical teams. Salary is based on your education, experience, skills, and knowledge. Information on University of Oklahoma benefits may be found at <https://hr.ou.edu>. To apply for the position, please send your CV, cover letter, and list of three references to:

CIMMS Careers  
University of Oklahoma CIMMS  
120 David L. Boren Blvd., Suite 2100  
Norman, OK 73072-7304  
CIMMS-careers@ou.edu  
Job Requisition: Severe Weather RS

### **FRENCH CULTURE, FOOD, & HEALTH**

May 23-31, 2020  
Roanne, France  
NUTR 39800

[See attached flier for additional information]

### **DTN IS HIRING AN NWP SCIENTIST**

DTN is hiring a WRF/NWP scientist at their Norman, OK, location. This would be a great opportunity for a recent MS or PhD graduate, particularly someone with strong cloud computing or data assimilation experience. We also have an opening for a supporting AWS Cloud Engineer. Thanks.

[https://dtm.wd1.myworkdayjobs.com/en-US/DTN\\_Careers/job/Norman-OK/Numerical-Weather-Prediction--NWP-Scientist\\_R-000024](https://dtm.wd1.myworkdayjobs.com/en-US/DTN_Careers/job/Norman-OK/Numerical-Weather-Prediction--NWP-Scientist_R-000024)



### **ENGAGEMENT SCHOLARSHIP CONSORTIUM CALLS FOR NOMINATIONS FOR EXCELLENCE AWARDS PROGRAM**

HARRISONBURG and BLACKSBURG, Va. — The Engagement Scholarship Consortium (ESC) — the premier resource for higher education institutions and community partners focused on promoting excellence in the scholarship and practice of engaged scholarship locally and globally — is accepting nominations for its 2020 Excellence Awards Program, which recognizes exemplary engagement scholarship. Nominations will be accepted through Friday, March 20, 2020. For more information on nomination procedures and submission, visit:  
<https://engagementscholarship.org/grants-awards/esc-awards-program>.



Award recipients will be recognized during the 2020 Annual Conference in Philadelphia, Pa. The awards program is a key priority of ESC 20/20 — Vision. Focus. Impact, providing institutional recognition in five categories: Student, Faculty, Community Partner, Distinguished Engaged Scholar and Institutional Leadership. All two- and four-year public and private higher education institutions are eligible and are invited to submit nominations. Institutional award recipients will receive a cash award, certificate, two registration fee waivers for the 2020 ESC Annual Conference and will be invited to participate in an Excellence Awards Recipients Panel Presentation during the 2020 conference.

ESC Board President Samory T. Pruitt, vice president for community affairs at The University of Alabama, underscored the importance of the highly competitive program. "We know that each year, submissions will include many innovative and practical solutions to some of the most critical challenges facing our nation and world today. These awards recognize the best engagement scholarship has to offer," Pruitt said.

The ESC Excellence Awards Program recognizes activities that improve the quality of life for individuals, families and communities, while building capacity through engaged scholarship. The program also provides important recognition opportunities for students, faculty, community partners and higher education institutions and increases opportunities for enhanced peer learning.

Contacts: Melissa Maybury Lubin, Engagement Scholarship Consortium Awards Committee chair and dean of professional and continuing education, James Madison University, 540-568-4253, [lubin2mm@jmu.edu](mailto:lubin2mm@jmu.edu) and Susan E. Short, Engagement Scholarship Consortium Executive Committee liaison and associate vice president for engagement, Virginia Tech, 540-231-9497, [sshort@vt.edu](mailto:sshort@vt.edu).

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### **WORKING PAPER SERIES – FALL 2020 ISSUE** **CALL FOR ABSTRACTS**

The Susan Bulkeley Butler Center for Leadership Excellence, in partnership with ADVANCE-Center

for Faculty Success, is continuing the Working Paper Series focusing on navigating careers in the academy. This peer reviewed series includes work by senior scholars, graduate students, and faculty at all stages as a space for the discussion of issues related to academic careers. The series will serve as a means for documenting and sharing interventions and/or practices and/or processes developed by and/or utilized by faculty and post-docs for navigating careers.

The call for abstracts for the fall 2020 issue is now open - nationally and globally. Complete details are in the attached pdf, as well as on the Working Paper Series [website](#).

Abstracts must be 150 words or less and must be submitted via email to [butler-advance@purdue.edu](mailto:butler-advance@purdue.edu) by **Friday, August 21, 2020**.

Any abstracts sent early in the spring semester may receive a response by the end of the spring semester. Abstracts received by the deadline of Friday, August 21st will receive a reply early in the fall semester.

[See attached flier for more information]

## 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](mailto:khuseman@purdue.edu)) **by 5:00pm on Thursday of each week for inclusion in the Monday issue.**

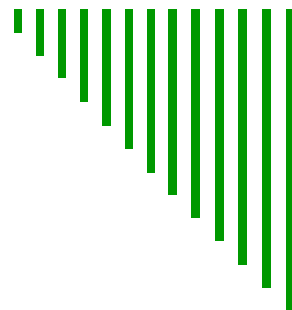
If it is in the newsletter, we assume you know about it and no other reminders are needed. For answers to common technology questions and the latest updates from the EAPS Technology Support staff, please visit: [http://www.eaps.purdue.edu/resources/information\\_technology/index.htm](http://www.eaps.purdue.edu/resources/information_technology/index.htm).

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>





## **Special Seminar**



### **Faculty Candidate**

## **Air Pollution Impacts on the Carbon Cycle and Climate**

**Nadine Unger**  
University of Exeter

Tropospheric ozone and aerosols are short-lived climate forcers that influence land ecosystem health and the global carbon cycle. Surface ozone damages photosynthesis and reduces the ability of land ecosystems to assimilate carbon from the atmosphere thereby further increasing global warming. The world's land ecosystems are currently slowing down global warming by storing about 30% of human-released carbon dioxide emissions every year. This carbon drawdown is being undermined by ozone pollution. Atmospheric aerosols influence photosynthesis by changing radiation and meteorology, sometimes with beneficial effects known as aerosol diffuse radiation fertilization. The IPCC Special Report on the Impacts of Global Warming of 1.5°C (2018) emphasized the impacts of reductions in short-lived climate forcers on the carbon cycle as a key remaining uncertainty in climate change mitigation. Ozone and aerosol precursors are typically co-emitted with carbon dioxide from a wide range of human activities. Here, I present results from recent studies that apply a fully coupled global Earth system model and multiple observational datasets to quantify the (i) combined impacts of ozone and haze pollution on the land carbon cycle in China (ii) fire air pollution impacts on global terrestrial productivity (iii) mitigation of ozone damage to the world's land ecosystems by source emission sector.

**Thursday, April 2, 2020  
3:30 am  
via WebEx**

## Visiting Instructor (Geospatial Sciences)

**Position Details:** Gustavus Adolphus College invites applications for a full-time, one-semester position of Visiting Instructor (or Assistant Professor with appropriate qualifications) in the Department of Geography to begin September 1, 2020 and ending December 30, 2020.

**Institution Information:** Gustavus Adolphus College seeks employees who are committed to and will actively contribute to our efforts to celebrate cultural and intellectual richness and be resolute in advancing inclusion and equity. The [Gustavus Acts strategic plan](#) renews our commitment to equip students to lead purposeful lives, and to act on the great challenges of our time by diversifying and expanding the Gustavus community and delivering a distinctive and integrated liberal arts education. We are committed to fostering a community that embodies the value of a liberal arts education rooted in heritage and pluralism. We engage in this work at a coeducational, private, Lutheran (ELCA), residential, national liberal arts college of 2200 students.

The mission of the Gustavus Adolphus College Geography Department is to create a community that nurtures knowledge, skills, and values that guide us in an increasingly complex and interdependent world. Through innovative teaching and scholarship, we seek to cultivate in our students a critical awareness of human-environment relationships, an understanding of the varied dimensions of global change, and respect for the diversity of places and people. We are committed to applying geographic knowledge to build an economically, socially, and environmentally just world.

**Major/Essential Functions:** The one semester teaching assignment will be 3.5 courses. Primary teaching responsibilities will include introductory GIS and remote sensing of the environment.

### Minimum Qualifications:

- PhD or Masters degree in geography (or a related field);
- Demonstrated effectiveness in teaching;
- Evidence of a commitment to undergraduate teaching and student advising; and
- Experience working with people from diverse backgrounds and a demonstrated commitment to pedagogical methods that enable students across racial, ethnic, and socio-economic groups to reach their maximum potential.

### Preferred Qualifications:

- Experience teaching GIS and remote sensing.

**Application Procedures:** To apply, visit <https://gustavus.edu/jobs> and complete the online application. The documents that must be uploaded include the following:

- Letter of application that addresses the position qualifications;
- Curriculum vitae;
- A brief (one page) statement of teaching philosophy;
- Transcripts (scanned copies acceptable); and
- The names and contact information for three professional references (at least one must be able to address teaching experience and effectiveness).

For full consideration, applications must be received by April 1, 2020. While applications may be accepted after this date, it is not guaranteed that they will be considered. At this time, please only upload the required documents listed above; finalists will be asked to submit sample syllabi and student evaluations. Incomplete applications will not be considered by the search committee.

Gustavus Adolphus College is an Equal Opportunity and Affirmative Action Employer. The College does not discriminate on the basis of race, color, creed, religion, age, sex, sexual orientation, national origin, marital status, disability, or veteran status in its education or employment programs or activities.

**MAKE YOUR LIFE COUNT™**

**Anna Versluis, Chair**

Department of Geography | DIRECT 507-933-6283 | FAX 507-933-6285 | [averslui@gustavus.edu](mailto:averslui@gustavus.edu)  
800 West College Avenue | St. Peter, Minnesota 56082-1498 | 507-933-8000 | [gustavus.edu](http://gustavus.edu)

## **CIMMS Research Fellow – Weather and Transportation Applications**

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at the University of Oklahoma and the National Severe Storms Laboratory (NSSL) is currently seeking a fixed-term (12-24 months) Research Fellow starting in Summer 2020 to assist with the development of impacts-based decision support tools as a part of the Transportation Applications Team. This team works collaboratively with the National Weather Service (NWS) and the Federal Aviation Administration (FAA) to develop the next generation of products and tools for use within operations, with particular focus on decision support for transportation-related warnings/advisories (e.g., blizzards, aircraft hail encounters, icing, etc.).

The duties of this position will be to:

1. Work collaboratively with the NWS and FAA to develop decision-support tools for use in operations;
2. Assist with quality control and evaluation of observations within the Multi-Radar/Multi-Sensor (MRMS) system (<http://mrms.nssl.noaa.gov>).

The minimum qualifications for the position are:

1. A Bachelor's Degree in Meteorology, Geography, Civil Engineering, or another related area;
2. Experience in programming (C++, Python, Fortran);
3. Experience with visualization of meteorological datasets.

Please identify experience with programming and meteorological datasets in your cover letter.

Supervision will be provided by CIMMS staff. The incumbent is not expected to supervise other employees. Salary for this position is \$40,000. Standard insurance benefits are included (more information may be found at <http://www.hr.ou.edu>). The incumbent would ideally start in Summer 2020, but the starting date is negotiable.

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

CIMMS Careers  
University of Oklahoma  
120 David L. Boren Blvd., Suite 2100  
Norman, OK 73072-7304  
[CIMMS-careers@ou.edu](mailto:CIMMS-careers@ou.edu)  
ATTN: Transportation Applications





2020

# PURDUE UNDERGRADUATE RESEARCH CONFERENCE

## CALL FOR JUDGES

Tue., April 14 • Poster Symposium

Purdue Memorial Union Ballrooms

9:30am-12:00pm & 2:00pm-4:30pm

Register to judge posters &  
indicate your availability now at:

**[bit.ly/PURC2020Judges](https://bit.ly/PURC2020Judges)**

*Light refreshments will be available at the symposium*

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## **CIMMS Research Associate – Scientific Programmer for Developing Graphical Forecast Editor Training in AWIPS**

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at the University of Oklahoma (OU) seeks to fill a Research Associate position to support the National Oceanic and Atmospheric Administration (NOAA) Forecast Decision Training Division (FDTD) in Boulder, Colorado, on training for the Advanced Weather Interactive Processing System (AWIPS) Graphical Forecast Editor (GFE).

The principal duties of this position are:

- Development of training and online reference material for new and existing AWIPS GFE Focal Points at NWS Weather Forecast Offices and National Centers
- Analysis of current and future versions of the GFE software, including local settings and implementation at various NWS weather forecast offices, in order to identify operational best practices

Required Qualifications:

- A Master's degree or higher in Meteorology, Atmospheric Science, Computer Science, or related area
- Strong web programming (e.g., HTML, XML) skills
- Experience developing training or technical documentation
- Experience with Python scripting
- Experience with Linux (or Unix) operating systems
- Excellent oral and written communication skills
- Ability to work and communicate effectively in diverse team environments
- U.S. Citizenship or Permanent Residency is required

Desired Qualifications:

- Experience developing interactive web-based learning applications for technical users
- Experience with GFE configuration and Python in the AWIPS environment
- Knowledge of how GFE is used, configured, and maintained by NWS field sites

Normal working hours will be observed. This position will primarily be located in Boulder, Colorado with possible trips to NWS WFO field sites and/or data centers.

Supervision will be provided by CIMMS staff. Technical oversight will be provided jointly by CIMMS Research Associates and FDTD management. Works under general supervision but is expected to work in a team environment and determine action to be taken in handling all but unusual situations. Incumbent is not expected to supervise other employees.

The salary for this position is very competitive and will be based on experience, skills, and knowledge. Information on University benefits may be found at <https://hr.ou.edu/>. The position is expected to begin May-June 2020.

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

CIMMS Careers  
University of Oklahoma CIMMS  
120 David L. Boren Blvd., Suite 2100  
Norman, OK 73072-7304  
CIMMS-careers@ou.edu  
ATTN: Scientific Programmer AWIPS-GFE

*The University of Oklahoma is an equal opportunity/Affirmative Action employer.*

## **Research Associate – Hazardous Weather Testbed**

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at The University of Oklahoma currently is seeking a research associate to collaborate with scientists in the National Severe Storms Laboratory's (NSSL) Warning Research & Development Division on the implementation of severe weather applications to support research to operations initiative via transition into the National Weather Service's Advanced Weather Interactive Processing System-2nd generation (AWIPS2) operational software platform. The position is located in Norman, Oklahoma.

The duties of this position are:

1. Integration of NSSL's experimental datasets into AWIPS2;
2. Development of new applications and visualization techniques in the AWIPS2 environment and platform;
3. Support and participate in applied research and development and operational experiments in the Hazardous Weather Testbed;
4. Acquire and apply expertise about severe local storms in the warning decision-making process.

The minimum qualifications for the position are:

1. A Masters Degree in Meteorology, Atmospheric Science, Computer Science/Software Engineering, Geographic Information Systems, or related area;
2. Computer programming experience (Linux, Java, Python, PostgreSQL, Eclipse, etc.);
3. US Citizenship or Permanent Residency.

Applicants should identify expertise with any of the following areas: AWIPS2; Computer Programming; Visualization; Geographic Information Systems. Some knowledge of National Weather Service warning and forecast operations and weather radar would be beneficial. Good oral and written communication skills are needed for the position. Please indicate additional experience with operating systems and programming skills (including web-based and mobile applications) beyond the requirements stated above.

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 the CIMMS leadership. Technical oversight will be provided by CIMMS staff, NSSL scientists, and NSSL management. Appointee will work under general supervision but is expected to determine action to be taken in handling all but unusual situations. Incumbent in this position is not expected to supervise other employees, but may serve as a leader of technical teams.

The beginning salary will be based on qualifications and experience with University benefits. Information on benefits may be found at <https://www.hr.ou.edu>. The position is expected to begin May 2020.

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

CIMMS Careers  
University of Oklahoma CIMMS  
120 David L. Boren Blvd., Suite 2100  
Norman, OK 73072-7304  
CIMMS-careers@ou.edu  
Job Requisition – AWIPS

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# AMS Virtual Career Fair

April 2nd, 2020  
12:00 - 3:00 p.m. EDT



**Save time  
and money  
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candidates  
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- Event Candidate Resume Database
- Single 30-day Job Posting
- 30-day Resume Database Access
- 1 Featured Job on Registration Page

### Gold - \$1250

- Fully Customized Booth
- Top Tier Booth & Logo Placement
- 4 Recruiter Seats
- Event Candidate Resume Database
- Single 30-day Job Posting
- 60-day Resume Database Access
- 2 Featured Jobs on Registration Page



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or by email at [Stephanie.Guido@communitybrands.com](mailto:Stephanie.Guido@communitybrands.com).

**DEADLINE:**  
**April 10th**



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**Are you up to the challenge?**

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FIRST PLACE

**\$1,000**

SECOND PLACE

**\$1,000**

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A photograph of two scientists, a woman with blonde hair and glasses, and a woman with dark hair and glasses, both wearing white lab coats. They are in a laboratory setting, looking at a piece of equipment. The woman on the left is wearing blue gloves and is adjusting a component on a machine. The woman on the right is smiling and looking at the same equipment. The background shows various lab equipment and shelves.

# GAIN ADVICE FROM THE EXPERTS

## Your Answers: Just a Click Away

**1** To access **GAIN**, go to [nai.firsthand.co/](http://nai.firsthand.co/) & click "Get Advice"

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**3** Browse the **custom-matched** advisors & request a mentor consultation

**4** Use the **secure dial-in** to talk to your chosen mentor

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THE CENTER FOR AEROSOL SCIENCE AND ENGINEERING AT  
WASHINGTON UNIVERSITY IN ST. LOUIS PRESENTS

# MIDWEST AEROSOL SUMMER SCHOOL

MAY 17-18, 2020 IN ST. LOUIS, MISSOURI

**AEROSOL SCIENCE AND ENGINEERING IS AN ENABLING DISCIPLINE WITH APPLICATIONS IN  
FIELDS SUCH AS ENVIRONMENT, ENERGY, ADVANCED MATERIALS, MEDICINE, AND AGRICULTURE.**

**EXPERIENCE TWO DAYS OF INTERACTIVE LEARNING WITH PEERS FROM THE MIDWEST!  
DISCUSSIONS AND ACTIVITIES WILL BE LED BY LEADING RESEARCHERS IN THE AEROSOL FIELD**

CASE RESEARCH FACULTY, WASHINGTON UNIVERSITY IN ST. LOUIS  
*CONTEMPORARY TOPICS IN AEROSOL SCIENCE AND ENGINEERING*

ALEXANDER LASKIN, PURDUE UNIVERSITY  
*CHEMICAL IMAGING AND MOLECULAR CHARACTERIZATION OF AEROSOLS*

DANIEL CZICZO, PURDUE UNIVERSITY  
*MICROPHYSICS AND CHEMISTRY OF DROPLET AND ICE NUCLEATION*

CHRISTOPHER SORESENSEN, KANSAS STATE UNIVERSITY  
*AEROSOL LIGHT SCATTERING*

MATTHEW BERG, KANSAS STATE UNIVERSITY  
*SINGLE PARTICLE CHARACTERIZATION TECHNIQUES*

NICOLE RIEMER, UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN  
*MODELS FOR SIMULATING ATMOSPHERIC AEROSOLS*

YANG WANG, MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY  
*NEW PARTICLE FORMATION AND PROBING TECHNIQUES*

**WHO SHOULD ATTEND: UNDERGRADUATE AND GRADUATE STUDENTS IN  
PHYSICS, CHEMISTRY, AND ENGINEERING**

**REGISTRATION IS REQUIRED, PLEASE VISIT**

**[HTTPS://SITES.WUSTL.EDU/AEROSOLSUMMERSCHOOL/](https://sites.wustl.edu/aerosolsummerschool/)**

**FOR MORE INFORMATION, PLEASE CONTACT KATIE BAY - [K.BAY@WUSTL.EDU](mailto:k.bay@wustl.edu)**



## **Purdue University Chorafas Foundation Awards**

**Deadline: March 6, 2020**

Purdue University will nominate one young PhD graduate student researcher for the 2020 Chorafas Foundation Award. The **\$5,000** award, made available by the Dimitris N. Chorafas Foundation, is intended as a prize for advanced studies and/or research during or shortly after graduation. The Dimitris N. Chorafas Foundation was founded in 1992 under the leadership of Prof. Dimitris N. Chorafas. Each year, the Foundation awards prizes to more than 20 universities, with the goal of stimulating promising young researchers.

### **Process:**

- Selection of a Purdue nominee will be a two-phase process. Students are invited to submit pre-proposals for the Chorafas Foundation Award by **Friday, March 6, 2020**. A maximum of 5 finalists will be selected to submit a full nomination package. The deadline for submitting full nomination packets is **March 31, 2020**.
- The requirements and criteria for pre-proposals and final proposals are provided on page 2.
- All pre-proposals should be sent to the **attention of Amber Everest, Office of Research and Innovation, College of Engineering (ARMS 3000)**, or electronically as one PDF File to [evera@purdue.edu](mailto:evera@purdue.edu).

### **Subject Areas for the Chorafas Award:**

Research projects in the following areas are eligible for the Chorafas prize:

- Research, Development and Applications in Advanced Technology
- Life sciences and Medicine
- Physics, Chemistry, Sciences of the Very Small and the Very Large
- Formal sciences: Mathematics, Logic, Statistics and their Applications
- Hard Science Solutions to Millennium Problems
- Interdisciplinary Scientific Research

### **Eligibility:**

- Applications are invited from PhD students enrolled in any college at Purdue.
- Applicants may not be older than 32 years on May 31, 2020 (born after 5/31/1988).
- Candidate students must have graduated or be expected to graduate between June 1, 2019 and December 31, 2020. Candidates can only be nominated once.



**Pre-proposals.** Applicants must submit cover page, a short cover letter, a curriculum vitae, a one page summary of the candidate's dissertation research, and a one page description of the planned use of the Chorafas award. Candidates are strongly encouraged to include a list of publications, professional presentations, and examples of significant leadership.

**Final proposals.** Applicants selected as finalists must submit the following documents for consideration:

- 1) Cover page with the following information
  - Full Name (LAST, first)
  - Gender
  - Title (e.g. Dr)
  - Candidate's home address (for issuing prize check)
  - Date of Birth (DD/MM/YYYY)
  - Title of the Thesis
  - Graduation Date (or expected graduation date) (MM/YYYY)
  - Field of Research (choose the closest one of the following fields: Life Sciences & Medicine, Physics, Chemistry, Mathematics, Informatics/Computer Science, Engineering of Finance & Risk Management).
  - Passport size photo
- 2) Complete CV (including internship if any) + a passport size photo
- 3) List of publications (only papers where the candidate is first author; the paper must be either published/in press/accepted in peer-reviewed journals)
- 4) Summary of Research (up to one page only)
- 5) Candidate's personal note - *Why my research benefits humanity...* (up to one page only)
- 6) Two letters of recommendation. One must be from the PhD supervisor. The salutation that should be used is ***Dear Members of the Board***
- 7) Abstracts of first authored papers in peer-reviewed journals (up to 5 abstracts - no longer than ½ page each)

## **COVER PAGE OF CANDIDATE FILE**

Passport Photo Here

Candidate's Full Name:

Candidate's Gender:

Candidate Title: (e.g. Dr.):

Candidate Home Address:

Candidate's Date of Birth:

Title of Thesis:

Date or Estimated Date of Graduation:

Field of Research:

# French Culture, Food & Health

May 23-31, 2020  
Roanne, France

NUTR 39800



For more information, contact:

Rachel Clark  
[rachelclark@purdue.edu](mailto:rachelclark@purdue.edu)

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## Program Highlights

- Cooking classes with a French Chef
- Pair wine and cheese
- Learn a little French
- Explore Lyon and Roanne
- Visit a chocolate factory
- Meet wine experts
- Stay in a French villa
- Taste wine with a local winemaker
- Visit a medieval village
- Earn 2 credits
- Meets STS learning outcome







## Applications are now being accepted for NOAA's Okeanos Explorer-in-Training Program

NOAA Office of Ocean Exploration and Research (OER) in partnership with Cooperative Programs for the Advancement of Earth System Science (CPAESS), hosts undergraduate and graduate students as well as individuals who have recently graduated from a higher education program in the Okeanos Explorer-in-Training program. Participants gain valuable experience in deepwater mapping and exploration using the latest tools and technology.

NOAA's OER is the only federal program dedicated to exploring our deep ocean, closing the prominent gap in our basic understanding of U.S. deep waters and seafloor and delivering the ocean information needed to strengthen the economy, health, and security of our nation. OER explores previously unknown areas of our deep ocean, making discoveries of scientific, economic, and cultural value.

The NOAA Ship Okeanos Explorer is the Nation's only federal vessel dedicated to ocean exploration. The ship is equipped with advanced tools that support systematic exploration of unknown ocean regions. High-resolution sonars, deep-water remotely operated vehicles, and telepresence technology are used to collect baseline information in unexplored areas.

CPAESS is currently seeking Mapping trainees to participate in the Okeanos Explorer Explorer-in-Training (EiT) program for the 2020 field season. The EiT program will provide the opportunity to gain experience using an advanced multibeam bathymetric sonar mapping system, while contributing in a significant way to the Okeanos Explorer.

Okeanos Explorer exploration for 2020 will focus on the Atlantic Ocean, including the US Exclusive Economic Zone near Puerto Rico, the US Virgin Islands, and New England; the Mid Atlantic Ridge, and Atlantic Maritime Canada. Current undergraduate and graduate students, and recent graduates from higher education institutions in these regions are encouraged to apply. Students traditionally underrepresented in the sciences are also encouraged to apply.

## Application Deadline

The application deadline for the 2020 Okeanos Explorer-in-Training Program is January 31, 2020.

## Ocean Exploration

There are five 20–30 day cruises in April through September. The time at sea for this session begins April 5, 2020 and runs through September 12, 2020.

## Curious?

Check out the live feed webcam and learn more about the work of Okeanos at: [oceanexplorer.noaa.gov/welcome.html](http://oceanexplorer.noaa.gov/welcome.html)

## Discover & Explore

Learn more about the NOAA Okeanos Explorer-In-Training program at:

[oceanexplorer.noaa.gov/okeanos/training.html](http://oceanexplorer.noaa.gov/okeanos/training.html)

Undergraduate, Graduate, and Recently Graduated Students may apply at:

[cpaess.ucar.edu/okeanos-application-2020](http://cpaess.ucar.edu/okeanos-application-2020)



*A steeply sloped ridge along the Nova-Canton Trough mapped during the CAPSTONE Telepresence Mapping in Pacific Marine Protected Areas expedition. Onboard were Explorers-in-Training Sarah Rosenthal and Jay Chitnis. Image courtesy of the NOAA Office of Ocean Exploration and Research.*



## **On Water Resources, Cooperation and Conflict**

Prof. Marc Müller

Civil and Environmental Engineering and Earth Science, University of Notre Dame

**Tuesday, March 3<sup>rd</sup>, 1:30 PM HAMP 1113**

### ***Abstract***

The availability of water determines where people live and what they do and, reversely, human activities also affect the way water resources are distributed through time and space. The coupled, dynamic and locally specific nature of human-water interactions makes it challenging to attribute causes and effects and generate transferable understanding from place-based observational studies. Both tasks are essential to inform policy decisions that will have long-lasting impacts on the food, energy, water and ecological systems of tomorrow. This talk discusses recent progress in addressing these challenges along three important lines of inquiry: (i) the attribution of rapid hydrological change to climate vs. local human action, (ii) the emergence of cooperation over shared water resources and (iii) the interactions between water scarcity and violent conflicts. Marc Müller will present results from recent investigations on highly strategic water resources in the Middle East and South Asia.

### ***Brief Bio***



Marc Müller is an assistant professor in hydrology and water resources at the University of Notre Dame's Department of Civil and Environmental Engineering and Earth Science. He takes a multidisciplinary approach to studying the interactions between humans and water, particularly in rapidly-changing regions where little data is available. His work focuses on new approaches to collecting, analyzing, and disseminating water information, and his research interests include water-related conflicts, surface hydrology, remote sensing, rural electrification, information/data science, applied statistics, and geostatistics. Marc has worked in multiple countries including Nepal, Bangladesh, Tanzania, Cambodia, Jordan, and Syria. He earned two Bscs and an Msc from the École Polytechnique Fédérale de Lausanne and a PhD from the University of California at Berkeley, where he was a Fulbright Science and Technology Fellow.





Susan Bulkeley Butler Center for

**LEADERSHIP  
EXCELLENCE**

## **Butler Center-ADVANCE Working Paper Series**

### **Navigating Careers in the Academy: Gender, Race and Class**

The Butler Center in partnership with ADVANCE -Center for Faculty Success has a Working Paper Series focusing on navigating careers in the academy. This peer reviewed series includes work by senior scholars, graduate students, and faculty at all stages as a space for the discussion of issues related to academic careers. The series will serve as a means for documenting and sharing interventions and/or practices and/or processes developed by and/or utilized by faculty and post-docs for navigating careers.

The topics may include: strategies for diversifying faculty, staff and students; negotiating intersections of gender, race/ethnicity, and nationality in the academy; creating inclusive research environments; mechanisms for involving graduate and undergraduate students in research; traversing teaching/the classroom; considering inclusivity in mentoring faculty/students; lessons to be learned from experiences of faculty in the academy; gender biases – in the classroom, P&T evaluations, leadership; best practices around creating an inclusive climate; effective programs/interventions; intersectionality; role of professional societies in achieving success and excellence. This list is indicative of topics of interest but is by no means exhaustive. We encourage manuscripts that bridge the gap between research, policy, and practice. The following types of submissions will be considered for this working paper series: reflection papers; summaries of research; write-ups of speakers or meetings; white papers; preliminary findings; conceptual pieces; creative works; best practices.

The working papers may be anywhere between 2 pages (such as best practices) to 20 pages in length. The papers will be peer-reviewed. The authors will retain the copyright to their papers, allowing them to republish their work elsewhere.

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**Susan Bulkeley Butler Center for Leadership Excellence and ADVANCE  
Purdue University  
WORKING PAPER SERIES  
Navigating Careers in the Academy: Gender, Race, and Class**

**CALL FOR ABSTRACTS FOR THE FALL 2020 ISSUE IS NOW OPEN  
DEADLINE: Friday, August 21, 2020**

Abstracts for the fall 2020 issue of the Butler Center-ADVANCE Working Paper Series' titled "Navigating Careers in the Academy: Gender, Race, and Class" are now being accepted. The deadline for submission of abstracts is Friday, August 21, 2020.

We invite submissions that fall under the broad topic of academic careers (as noted below, please see our website for details). Abstracts must have specific aims or questions proposed to be addressed; clear argument/s; and make contribution/s that will benefit those in the academy. Abstracts should include the form/s of evidence that will be used – forms of data, cases, reflection based on experiences and so on.

Abstracts must be 150 words or less and should be emailed to [butler-advance@purdue.edu](mailto:butler-advance@purdue.edu). Please include the following information in your submission:

Title of the paper (tentative is acceptable)

Name of authors, rank or title, and name of department (in order of authorship)

Email of corresponding author

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