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

Facebook
Twitter
Department Magazine
Website News

EAPS PUBLICATIONS

Dr. Qianlai Zhuang has published the following publication:

https://doi.org/10.1002/2017JG003864
FORREST RESEARCH FOUNDATION FELLOWSHIPS

The Forrest Research Foundation awards prestigious fellowships to postdoctoral researchers undertaking their world class research at any one of the Western Australian universities.

Offered to outstanding postdoctoral researchers from all disciplines, Forrest Fellows are selected based on their:

- Exceptional academic achievements
- Developed collaborations with outstanding researchers in their field
- Potential to make a positive difference in the world through their research

Value

- Forrest Fellowships are valued at over $115,000 per annum for 3 years
- Fellows are accommodated at Forrest Hall premium one and two bed apartments located on the Swan River and designed to suit the needs of academics intent on achieving excellence in their field.

The application deadline is May 18, 2018. For more information, see the attached flyer, or go to www.forrestresearch.org.au.

2018 COLLEGE OF SCIENCE GRADUATE STUDENT INTERNATIONAL TRAVEL AWARDS

The deadlines for the 2018 College of Science Graduate Student International Travel Awards have been announced. For travel between July 1, 2018 and December 31, 2018 the deadline is 4:00 P.M. on June 1, 2018. Students must be full-time PhD students in the College of Science, and must be making an oral or poster presentation at an international conference. Priority will be given to travel to make an oral presentation at a conference, attendance at an interdisciplinary conference, and/or students who have passed their prelims.

To apply, send the following electronically as one file to Robin Sipes (rsipes@purdue.edu):

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

For more information, see the attached flyer.

SPECIAL SEMINAR ON PLACE-BASED EDUCATION

Ángel A. García Jr. will give a special seminar titled, “The Construction of Cultural Consensus Models to Characterize Ethnogeological Knowledge and to Inform Place-Based Education.” The event details are as follows:

Thursday, April 19, 2018
10:00 – 11:00 AM
HAMP 2201

See the attached flyer for an abstract of the seminar.

http://www.eaps.purdue.edu/
PANEL: CREATING CONNECTIONS BETWEEN LOCAL COMMUNITIES & ACADEMIA

A special panel discussion entitled, “Creating Connections Between Local Communities and Academia at the Intersections of Indigenous Knowledge and Western Science,” will take place at the following time and place:

Friday, April 20, 2018
2:30 – 3:30 PM
WALC 1121

Topics will include the questions, “What is Indigenous knowledge?”, “How is Indigenous knowledge used by different communities?”, and “Why should academic institutions of higher education respect Indigenous knowledge?” Speakers will include Ángel A. García Jr. of Arizona State University, Dominique M. David-Chavez of Colorado State University, and Victor Maqque of Purdue University.

For more information, see the attached flyer or contact Darryl Reano (dreano@purdue.edu).

---

CIMMS RESEARCH ASSOCIATE – AWIPS2

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 duties of this position are:

1. Integration of experimental datasets (ex. Phased Array Radar, Warn-on-Forecast products, multi-sensor products, NUCAPS, satellite, etc.) into AWIPS2;
2. Support and participate in applied research experiments in the Hazardous Weather Testbed;
3. Development of new applications and visualization techniques in the AWIPS2 development environment.

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. 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 http://www.hr.ou.edu/employment/WorkingatOU.asp. The position is expected to begin May 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 Requisition – AWIPS

---

http://www.eaps.purdue.edu/
EMAIL BUDDIES WANTED

New students always have many questions and we feel that you can be a valuable partner in helping them navigate their first steps at Purdue and the College of Science. We are asking you to participate in an email exchange with a first semester student.

If you participate in this program, you will be required to exchange 3-4 emails within the first few weeks before and after the start of the semester. Entering students will be informed that his is an email only relationship.

If you would like to be part of this program, please fill out the short survey. For more information, see the attached flyer, or email Terry Ham at hamt@purdue.edu.

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.

2018 HITCHHIKER’S GUIDE TO THE BIOMOLECULAR GALAXY PROTEIN SYMPOSIUM

We are pleased to announce the 4th installment of ‘The Hitchhiker’s Guide to the Biomolecular Galaxy’, a Purdue mini-symposium on integrating structure, function, and interactions of the biomolecular universe. This symposium is an interdepartmental event focusing on interdisciplinary research in biophysics and structural biology. The event provides an exceptional platform for students and postdoctoral scholars to present their work, learn about cutting-edge research, and network with young scientists and faculty members from Purdue and regional institutions. In addition to student and postdoc presentations, Dr. Matthew Redinbo from University of North Carolina - Chapel Hill will be giving a keynote address.

The symposium will take place May 9-10 in Neil Armstrong Hall of Engineering, with a Career Development Session the evening of May 8th at Lafayette Brewing Company.

We invite you to register and submit abstracts for oral and poster presentations on our website: https://www.hg2bg.com/

Registration is free, but space is limited so we ask that you register soon.

This year, we are also excited to announce that TTP Labtech is hosting a crystallization workshop on May 8th from 12-5 in Hockmeyer Hall. This is a great opportunity to learn about the different crystallization robots available on campus and even set up trays with your protein! Space is limited to 12 individuals, and slots are filled on a first-come, first-served basis.

We are also introducing an "Art of Science" display, where applicants may bring posters, prints, or physical models which explore the interplay between art and science. We hope that this exhibit will help seed interesting conversations and facilitate more interactions among attendees. One item of exceptional aesthetic merit, as judged by the symposium organizers, will be chosen for prizes. For more information, please visit our website.

Prizes will also be awarded for best presentations in the following categories: undergraduate poster,

http://www.eaps.purdue.edu/
graduate poster, graduate oral, postdoc poster, and postdoc oral.

Deadline for registration, abstract submission, and travel grants is April 27th.

ENTERPRISE AND THE ENVIRONMENT
SUMMER SCHOOL
July 1-13, 2018

The Smith School of Enterprise and the Environment at the University of Oxford. We would like to invite students at the Purdue department for earth, atmospheric and planetary sciences to apply for our Enterprise and the Environment Summer School, which will take place from 1st-13th July 2018 in Oxford. It is a summer school intended for undergraduates, as well as recent graduates passionate about leading environmental change in business, society and government. See attached for more information.

COLLEGE OF SCIENCE
GLOBAL SCIENCE PARTNERS

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.

To find out more about joining for the 2018/19 school year, visit the Global Science Partners Website.

~SAVE THE DATE~
LAVENDER GRADUATION

April 19, 2018
7:00-9:00 PM
PMU Faculty Lounges

See attached flier for more details!

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.

http://www.eaps.purdue.edu/
DISCUSSION GROUPS AT PURDUE COUNSELING AND GUIDANCE CENTER

If you are stressed about a romantic breakup, or are grieving the loss of someone important to you, the Purdue Counseling and Guidance Center (PCGC) can help. The PCGC will be offering discussion groups on each of these topics on Wednesday nights, the next being April 25th. Each night will start with a free meal from 6:00 to 6:30pm and the groups will be from 6:30 to 8:00pm.

Topics for the groups are as follows:

* Grief discussion group—opportunity for college students who have experienced the death of someone important to them to talk about their experiences with grieving during college, with an emphasis on the uniqueness of grief.

* Romantic breakup discussion group—opportunity for college students who have recently experienced a breakup to talk about their reactions and responses, with an emphasis on the losses and gains that are often connected with the ending of significant relationships.

Students interested in attending one of these groups must contact the PCGC—spaces are limited. For more information and/or to sign up, call 494-9738. Limited spaces are also available for individual counseling for general concerns. Our email address is pcgc@purdue.edu and our website is www.edst.purdue.edu/pcgc.

SUGGESTED SUMMER PAY PROCESS COMING SOON; SNEAK PEEK PROVIDED FOR FACULTY

A new summer pay application -- Summer Employment and Effort Management Leading Efficiency through a Simple Solution application, known as SEEMLESS -- starting this summer will replace the current manually driven summer calendars. SEEMLESS is an integrated solution that collects time and cost distribution information for all academic-year staff, processes the pay and makes corrections to prior period pay during subsequent periods.

A sneak peek video allows faculty an opportunity to see the simplicity of the application in action. Additionally, two information sessions for faculty have been planned. Faculty are welcome to choose from the opportunities below:

* April 17 (T) -- 8:30-9:30 a.m. Neil Armstrong Hall, Room 1021.

* April 18 (W) -- 3:30-4:30 p.m. Jischke Hall, Room 1083.

For more information, view the full University press release.

DISCOVERY PARK DISTINGUISHED LECTURE SERIES

Venkatesh Narayanamurti will give a lecture as part of the Discovery Park Distinguished Lecture Series, titled, “Bridging the Basic-Applied Dichotomy and the Cycles of Invention and Discovery.” Narayanamurti is the Benjamin Peirce Research Professor of Technology and Public Policy at Harvard University. The details of the lecture are as follows:

http://www.eaps.purdue.edu/
passionate about leading environmental change in business, society and government. See attached for more information.

GLOBAL SCIENCE PARTNERSHIPS LEARNING COMMUNITY

Attention: all first year college of science students! See the attached flier for information about free dinners, trips, and activities that are designed to help you learn about other cultures...while having fun!

POC: Terry Ham: hamt@purdue.edu or globalsciencepartners@purdue.edu

PURDUE TO ADD TWO-FACTOR AUTHENTICATION FOR ALL FACULTY AND STAFF DURING SPRING SEMESTER

Coming soon, all of Purdue’s faculty and staff will need to begin using two-factor authentication, known at Purdue as BoilerKey, to log into the new employee portal, SuccessFactors, improving security of personal and University data alike. Signup for BoilerKey is now ready for all Purdue employees at www.purdue.edu/boilerkey. Purdue faculty and staff can expect reminders to sign up in the form of direct emails, social media posts and Purdue Today articles to give instructions on how and where to sign up throughout the coming spring semester. The employee portal allows employees to create leave requests and check paystubs. It also handles many of the University’s business functions.

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 a key fob. 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.
IMPORTANT NOTICE ABOUT THIS NEWSLETTER

This newsletter is used as the primary information source for current and upcoming events, announcements, awards, grant opportunities, and other happenings in our department and around campus. Active links to additional information will be provided as needed. Individual email announcements will no longer be sent unless the content is time-sensitive. We will continue to include our publications, presentations and other recent news items as well.

Those using paper copies of the newsletter should go to our newsletter archive on the EAPS website at http://www.eaps.purdue.edu/news/newsletters.html and Click on News to access active links as needed. Material for inclusion in the newsletter should be submitted to Logan Judy (ljudy@purdue.edu) by 5:00pm on Thursday of each week for inclusion in the Monday issue.

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

Also, as an additional resource for information about departmental events, seminars, etc., see our departmental calendar at http://www.EAPS.purdue.edu/events-calendar.html
Rapid climate change has occurred in the Arctic. The representative indicators include a decade-long acceleration in sea ice extent/volume decrease and an amplification of warming trend at a rate of more than twice the global average. Along with these changes, extreme climate events of sea ice cover loss have consecutively occurred in summer 2007, 2012, and 2016. At the same time, many other dramatic changes have also occurred across the border areas of the Northern Hemisphere, including a spatial shift of the maximum surface warming trend from the Eurasian continent to the central Arctic Ocean, an enhancement of poleward oceanic and atmospheric heat transport from either the North Atlantic or North Pacific Ocean into the Arctic Ocean, a poleward shift of storm tracks and an intensification of Arctic storm activities, and widespread occurrences of extreme cold weather events and snow storms from the US east coast to Europe and Asia. Many aspects of these changes are obviously beyond the scope of conventional climate fluctuations and the sole warming effects of anthropogenic forcing. In this talk, we will synthesize our research progresses from both
The hypothesis that the hydraulic, mechanical and seismic properties of fractures are all inter-related has been indirectly implied by research performed by the hydrology, geomechanics and geophysics communities—but with each community providing a partial view into the behavior of fractures and fracture networks. In this presentation, results from a finite-size scaling analysis are presented that reveal a fundamental scaling relationship between fracture stiffness and fracture fluid flow. The resulting hydromechanical scaling function provides a link between fluid flow and the seismic response of a fracture, which suggests that seismic techniques may provide a means for remote sensing of fracture permeability. To fulfill this potential, deeper understanding of the origins and dynamics of fracture seismic stiffness is still required. Recent results will be presented...
Forrest Fellows are outstanding researchers of exceptional ability and resourcefulness.
Offered to outstanding postdoctoral researchers from all disciplines, Forrest Fellows are selected based on their:
• Exceptional academic achievements
• Developed collaborations with outstanding researchers in their field
• Potential to make a positive difference in the world through their research

Value
• Forrest Fellowships are valued at over $115,000 per annum for 3 years
• Fellows are accommodated at Forrest Hall - premium one and two bed apartments located on the Swan River and designed to suit the needs of academics intent on achieving excellence in their field

Partner Universities
• Curtin University
• Edith Cowan University
• Murdoch University
• The University of Notre Dame
• The University of Western Australia

The Forrest Research Foundation is made possible by the Minderoo Foundation in collaboration with the five Western Australian universities.
CIMMS Research Associate – AWIPS2

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 duties of this position are:

1. Integration of experimental datasets (ex. Phased Array Radar, Warn-on-Forecast products, multi-sensor products, NUCAPS, satellite, etc.) into AWIPS2;
2. Support and participate in applied research experiments in the Hazardous Weather Testbed;
3. Development of new applications and visualization techniques in the AWIPS2 development environment.

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.);

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 http://www.hr.ou.edu/employment/WorkingatOU.asp. The position is expected to begin May 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 Requisition – AWIPS

_The University of Oklahoma is an equal opportunity/Affirmative Action employer._
2018 College of Science Graduate Student International Travel Awards

**Deadline:** 4:00 PM June 1, 2018

For travel between July 1, 2018 and December 31, 2018

~ 2 or 3 awards ranging **up to** $800 for international travel will be awarded~

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

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

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

Send applications to Robin Sipes at rsipes@purdue.edu
SPECIAL SEMINAR:
The Construction of Cultural Consensus Models to Characterize Ethnogeological Knowledge and to Inform Place-Based Education

Ángel A. García Jr., M.S.
Ph.D. candidate in the School of Earth and Space Exploration at Arizona State University

Abstract:
Ethnogeology is the scientific study of human relationships with the Earth system, typically in the context of a specific culture. Many traditional Indigenous and local systems of environmental knowledge include empirical descriptions and interpretations of geological processes. These may differ from purely mainstream geoscientific explanations but are validated by their relevance to long-term cultural resilience and sustainability, often in challenging environments. Ethnogeologic findings can enrich geoscientific knowledge bases and inform place-based education that has been shown to engage and enrich students from diverse underrepresented minority backgrounds. Ethnogeological research integrates cultural consensus models (CCM), a method typically used in field ethnography for the description of cognitive patterns about a domain of knowledge in a group while capturing diversity, as well as other methods of participatory rapid assessment. Fieldwork done in the karst area of Dominican Republic (DR) and Puerto Rico (PR) suggest a well-developed CCM about karst related mechanisms (caves, speleothem formations, etc.) as well other geomorphological processes (erosion and weathering) that include metaphors, stories, and analogies to describe observations. Cultural consensus analysis shows competence scores with averages of 0.552 in DR and 0.628 in PR. Data suggest a CCM that is authentic and valid, and bridges the countries of DR and PR. The cultural approximation and many similarities in geological features in the karst between the terrains of DR and PR shows that people have developed similar knowledge across the two countries.

Date: Thursday, April 19, 2018
Time: 10:00am-11:00am
Location: HAMP 2201

Supported By:
SPECIAL PANEL DISCUSSION:
Creating Connections Between Local Communities and Academia at the Intersections of Indigenous Knowledge and Western Science

Panelists:

Ángel A. García Jr.
PhD Candidate
Arizona State University

Dominique M. David-Chavez
PhD Candidate
Colorado State University

Victor Maqque
Tecumseh Postdoctoral Fellow
Purdue University

Topics:

What is Indigenous knowledge?
How is Indigenous knowledge used by different communities?
Why should academic institutions of higher education respect Indigenous knowledge?

Date: Friday, April 20, 2018
Time: 2:30pm-3:30pm
Location: Wilmeth Active Learning Center (WALC) 1121

This event will be live streamed and will also be available to view afterwards. Please contact Darryl Reano (dreano@purdue.edu) for more information.

Supported By:
New students always have many questions and we feel that you can be a valuable partner in helping them navigate their first steps at Purdue and the College of Science. We are asking you to participate in an email exchange with a first semester student.

If you participate in this program, you will be required to exchange 3-4 emails within the first few weeks before and after the start of the semester. Entering students will be informed that this is an email only relationship.

Your role will be to respond to questions about the major, the College of Science, and Purdue in general. You will not be expected to answer any questions about academic requirements and if you find your freshman partner has any, please refer him/her to their advisor.

If you would like to be a part of this program, please fill out the short survey on the following link:

https://purdue.qualtrics.com/ControlPanel/?ClientAction=EditSurvey&Section=5V_3eWUpdIoyOyO1&SubSection=&SubSubSection=&PageActionOptions=&TransactionID=2&Repeatable=0

It’ll look great on your resume!

Please feel free to contact me if you’d like me to send you the sign up link electronically or if you have any questions hamt@purdue.edu

Thank You,

Terry
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!

Getting acquainted at one of our events

Halloween Service Event at the YMCA – October 2018

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

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

For more information, please contact Terry Ham at: hamt@purdue.edu or globalsciencepartners@purdue.edu
BRIDGING THE BASIC-APPLIED DICHOTOMY AND THE CYCLES OF INVENTION AND DISCOVERY

Venkatesh Narayanamurti
Benjamin Peirce Research Professor of Technology and Public Policy at Harvard.

Tuesday, April 24, 2018
1:30 p.m.,
Burton D. Morgan Center, Room 121

In this talk Venkatesh (Venky) Narayanamurti will reflect on the genesis of the Information and Communications revolution and through an analysis of the hard case of Nobel Prizes in Physics to show that the causal direction of scientific discovery and radical invention are often reversed. They often arose in a culture of so called “applications oriented research” in industrial laboratories and he will use those examples to enumerate the key ingredients of highly successful R&D institutions. His views have been shaped by his own personal experiences in industrial research, U.S National Laboratories and research intensive universities. By exploring the daily micro-practices of research, he will show how distinctions between the search for knowledge and creative-problem solving break down when one pays attention to how path breaking research actually happens. He will highlight the importance of designing institutions which transcend the ‘basic-applied’ dichotomy and contrasting them with models of the classic but still influential report Science, The Endless Frontier. The need for new integrative institutions to address global challenges such as climate change and alternative energy sources will be discussed.

Venkatesh Narayanamurti is the Benjamin Peirce Research Professor of Technology and Public Policy at Harvard. He has served on numerous advisory boards of the federal government, research universities and industry. He was formerly the John L. Armstrong Professor and Founding Dean of the School of Engineering and Applied Sciences, Professor of Physics and Dean of Physical Sciences at Harvard. From 2009 to 2015 he served as the Director of the Science, Technology and Public Policy Program at the Harvard Kennedy School. He served as Dean of the UCSB College of Engineering from 1992 to 1998. He is the author of more than 240 scientific papers in different areas of condensed matter and applied physics. He lectures widely on solid state, computer, and communication, and energy technologies, and on the management of science, technology and public policy. He is a fellow of the American Academy of Arts and Sciences, Indian Academy of Science, Indian National Academy of Engineering, IEEE, AAAS and an elected member of the U.S National Academy of Engineering, of the Royal Swedish Academy of Engineering Sciences and of the World Academy of Sciences.

www.purdue.edu/discoverypark/dls

Open to the public For more information contact Maria Longoria-Littleton at mlongori@purdue.edu
SAVE THE DATE

LAVENDER GRADUATION

APRIL 19TH, 2018
7:00PM—9:00PM
PMU FACULTY LOUNGES

Are you graduating in May or December of 2018?
If you are graduating in 2018 and wish to be honored, please register at:
https://tinyurl.com/LavenderGrad2018

This event is a special ceremony for LGBTQ and Ally students to acknowledge their achievements, contributions, and unique experiences at Purdue University. This community building program is a gathering that celebrates the graduating students and our distinguished guests as well as an opportunity to share our history and progress on campus. Graduates are welcome to invite their friends, family, and people who have been influential while at Purdue. The ceremony will be followed by a catered reception! As a graduate you will receive a rainbow stole that you may wear at the Purdue University graduation ceremony.

All undergraduate and graduate students are eligible to participate.
There is no cost associated with participating.

If you have any questions, please email the LGBTQ Center at lgbtq@purdue.edu.
CIMMS Research Associate –Radar Operations

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) seeks to fill a Research Associate position for projects funded by the National Oceanic and Atmospheric Administration (NOAA) Office of Oceanic and Atmospheric Research (OAR) National Severe Storms Laboratory (NSSL). The Research Associate will participate in NSSL’s Phased Array Radar (PAR) research program.

Background:

NOAA and other agencies are developing concepts and performing risk reduction for a next-generation Multifunction Phased Array Radar. As part of these efforts, NOAA partnered with the Federal Aviation Administration (FAA) to develop the Advanced Technology Demonstrator (ATD). The ATD is a modern, active, dual-polarization phased array radar that will be primarily used for weather research. When operational, the ATD will accomplish a significant milestone towards reducing technological risk for the PAR research program. The incumbent in this position will focus on supporting ATD Radar Operations and Research activities.

Responsibilities:

The incumbent will provide general support of Radar Operations and Research activities associated with the use of the ATD by interfacing with a diverse team of CIMMS and NSSL researchers. Responsibilities encompass a variety tasks including but not limited to radar setup and operation; radar availability coordination; troubleshooting support; configuration management; high-level software testing; documentation of operational procedures; radar operator training; radar data archive, data management, processing, and distribution; documentation of radar performance.

Required Qualifications:

1. A Master’s degree in electrical engineering, computer engineering, computer science, observational atmospheric science, or related area OR a Bachelor’s degree in the same fields with at least 3 years of experience.
2. Experience with Linux/Unix operating systems.
3. Good oral and written communication skills.
4. The ability to work both independently and cooperatively with others.

Knowledge of radar systems and/or radar operations is preferred but not a requirement.

The beginning salary will be based on qualifications and experience, with benefits provided through the University of Oklahoma (https://hr.ou.edu/Employees/New-Employees-at-OU/OU-Benefits-Overview). The start date for the position is negotiable.
This position is a full-time appointment funded by grants from NOAA. The appointment is contingent on passing a Department of Commerce/NOAA background check. The appointee will serve a customary probationary period during the first year.

To apply, please forward your resume, cover letter and contact information for 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: Radar Operations March 2018