

COAA e-News. Issue 16. February 28, 2005

(Back issues can be found in COAA web page: <http://www.coaaweb.org>)

Published by the Chinese-American Oceanic and Atmospheric Association
P.O. Box 4948, Silver Spring, Maryland 20914-4948, USA

Members please submit news to coaanews@coaaweb.org to be published in future COAA e-News.

Some examples of news items are:

Meeting/conference report/announcement;
Research work/activity;
Honors/Award /research grant;
Promotion/graduation/change of position;
/employment/sabbatical;
Latest publication/abstract;
Job/research grant opportunity;
Visit/exchange/collaboration;
New member;
Community outreach;
Social event;



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(0) A letter to corporate members from president

Dear Corporate members,

I am happy to present to you a copy of COAA's membership list for 2004-2005. Due to the hard work of the COAA board and members, COAA membership has grown to over 300 nationally and internationally. We have established sister relations with a number of international societies, such as the Chinese Undersea Technology Association, Chinese Academy of Sciences/Institute of Atmospheric Physics, Chinese Meteorological Society, Chinese Atmosphere Young Scientist Association (CAYSA) of Academia Sinica. Recently, we completed a sister relation agreement with the Chinese Society of Oceanology and Limnology (CSOL).

We have an ambitious program this year. Our Chinese Lunar New Year Luncheon was attended by ~50 members and friends. Our keynote speaker, Dr. Benjamin Chao, Chief of NASA's Geodynamics Laboratory, talk about the myth of the "Chinese Dragon" and its link with meteorological phenomenon. In our April scientific workshop, scheduled for April 16, program managers from NSF, NASA, and NOAA will discuss their programs with participants. We are also organizing a meeting with a delegate of Chinese meteorologists and emergency response agencies to exchange ideas and share experiences. At the Spring AGU meeting in May, we plan to have a get-together with regional members. Special sessions are planned for the Fall AGU in December, when we will have our COAA annual meeting and banquet. We are also cosponsoring a Joint International Scientific Conference with the theme on "Ocean and Climate" in 2006 in Qingdao, China with CSOL.

All these activities contributed to the mission success of COAA: to network ocean and atmosphere professionals in establishing a forum based on common interests, facilitate professional contacts, and to improve the qualification and occupational opportunities of individual and corporate members.

Your participation and financial support has contributed to the success of COAA and I know I can count on your continue support to further the goals of COAA. Please let us know how COAA can be improved and in turn, how COAA can further your business goals and opportunities. On behalf of the board, I look forward to working with you in the coming year to face the challenges of and reap the benefits from COAA!

Sincerely,

Long S. Chiu,
President, COAA 2005
Email: coaamail@coaaweb.org
COAA, P. O. Box 4948, Silver Spring, MD 20914-4948
URL: www.coaaweb.org

(1) From COAA board members

Invite you to Dr. Yu's retirement party

Dear COAA members:

The COAA past president (served 1997-1998 term), Dr. Tsann-Wang Yu of NOAA/NCEP, is going to retire from his current government job at the end of this month. COAA is organizing a retirement party for him to wish him well. Friends, colleagues, and COAA members are all welcome to attend this special event.

Dr. Tsann-Wang has been with NOAA/NECP/Ocean Modeling Branch for 29 years. He is an expert in the field of data assimilation. After retiring from his current job, he will join the NOAA research center in Harvard University as a distinguished scholar and continue his profession in ocean modeling.

When: 6:00pm, Feb. 26 (Saturday), 2005
Where: Tony Lin's Kitchen
12015-G, Rockville Pike (Rt. 355)
Rockville, MD 20852
Phone: 301-468-5858

Please register with Dr. Eddie Shih at Eddie.Shih@noaa.gov for a head counting before Feb. 25 (Friday). Thanks!

Happy Lunar Chinese New Year!

(2) Welcome new members

Start from issue #15 (January 2005), we welcome our new members who join recently. We would like to ask new-member to say something to our members in terms of yourself. If you think you are a new member but not been listed here, please email to let us know.

Following is the member joined by February in 2005:

Dr. Ying Lin : Ying.Lin@noaa.gov
Dr. Zhixia Zhu : zzhu@ore.hawaii.edu

Following are life members recently, they are former members,

Dr. Fung-Chi Ko ko@cbl.umces.edu 301-424-1207, COAA current board member (2004-2005).

Dr. Xiaofeng Li, Xiaofeng.Li@noaa.gov (life member)

Xiaofeng Li received the B.S. degree in optical engineering from Zhejiang University, Hangzhou in 1985. He holds M.S. degree from the First Institute of Oceanography, State Oceanic Administration of China, and Ph.D. degree from North Carolina State University, both in physical oceanography and remote sensing. He currently works at the National Oceanic and Atmospheric Administration (NOAA) National Environmental Satellite, Data, and Information Service (NESDIS) Office of Research and Applications in Washington, D.C.

His research interests include synthetic aperture radar applications in oceanography and meteorology; remote sensing study of oceanic surface and internal waves, marine atmospheric boundary layer processes; sea surface temperature algorithms development and validation from polar orbiting and geostationary satellites; fluid dynamics; and remote sensing physics. He has published 24 peer-reviewed papers and 1 book chapter. He is a member of AMS, AGU, and IEEE. He also served as a two-year term COAA board director between 2002 and 2004.

(3) Thanks to attend COAA lunar New Year luncheon

The COAA Lunar New Year banquet was very successfully held on January 29, 2005 (Saturday) at Tony Lin's Kitchen, Rockville, Maryland. The banquet room was decorated with the COAA banner and the several "Spring Festival couplets/scrolls". To allow new and old members to recognize each other easily, nametages, in both Chinese and English, were prepared for all the attendants. The delicious food, excellent and old members to recognize each other easily, nametages, in both Chinese and English, were prepared for all the attendants. The delicious food, excellent delighted the 52 attendants consisting of COAA members and their families five (5) tables.

COAA's current president, Dr. Long planned for 2005 and wished all the members around the world a happy new Ben Chao from NASA was invited as the

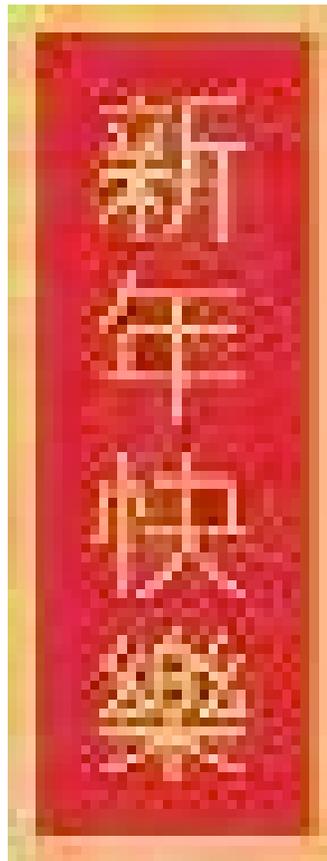
"Chinese Dragon: Is the answer blowing

All the attendants were highly impressed depth knowledge of ancient Chinese interesting aspects of linking the "Chinese dragon" to tornado and boreal COAA activity!). The well-praised and enthusiastic discussions, including the rainbow (See an article by Dr. Ben Chao). banquet, many COAA members donated include Dr. Long Chiu, Dr. Menglin Jin, Zhanqing Li, Dr. Sarah Lu, and Dr. Fung-certificates from Tony Lin's Kitchen for and desert were served, the banquet was for a happy and successful 2005.

We would like to acknowledge the hard COAA board members (coordinated by Dr. Eddie Shih, in particular. Finally, the participation! Therefore, the COAA board sincerely hope to see more and more members will actively participate in various COAA activities such as the coming soon COAA Spring Workshop (UMD, April 16, 2005, stay tuned).

Happy Lunar Chinese New Year!
COAA Board'2005

All photos from our luncheon are posted in coaaweb.org, check there for all. Following are some from the full set.



Chiu, presented the COAA activities attendants as well as all COAA year. Dr. banquet speaker to present his speech in the wind?"

by Dr. Chao's splendid speech and in-culture and traditions, as well as the aurora (don't forget that this is an much appreciated speech generated interpretation of the Dragon as the To further invigorate the New Year gifts for the lucky draw. The donators Dr. Henry Juang, Dr. Eddie Shih, Dr. Chi Ko. There were also five meal the lucky attendants. After the fruit rounded off with a raffle and wishes

work in preparation by all the current Dr. Fung-Chi Ko), ticket sellers and activity will not success without your



The wonderful talk after lunch! Does dragon equal to tornado?



Watch! Who got that gift! How luck! <Thanks to those contribute gifts>.

(4) Community News

COAA members led the development of East Asian meteorology book series (Provided by Prof. C. P. Chang)

The World Scientific Publishing Company announced the publication of World Scientific Series on Meteorology of East Asia. The book series publishes books and refereed proceedings in meteorology and related fields that are focusing on the Asia-Pacific region. The Editorial Board (below) consists of six East Asian scientists and five U.S. scientists. Four of the U.S. scientists are COAA members (denoted by *):

C.-P. Chang*, Naval Postgraduate School (Chair)

Tai-Jen George Chen, National Taiwan University
Yihui Ding, National Climate Center of China
In-Sik Kang, Seoul National University
Ngar-Cheung Gabriel Lau*, GFDL/NOAA Princeton University
William K. M. Lau*, NASA Goddard Space Flight Center
Akimasa Sumi, University of Tokyo
Bin Wang*, University of Hawaii
Guoxiong Wu, Chinese Academy of Sciences
Michio Yanai, UCLA
Tetsuzo Yasunari, Nagoya University

The Series published two books in 2004, both edited by COAA members:

Vol. 2, *EAST ASIAN MONSOON*, edited by C-P Chang (*Naval Postgraduate School*),
564pp, ISBN 981-238-769-2 <http://www.worldscibooks.com/environsci/5482.html>

Vol. 3, *OBSERVATION, THEORY AND MODELING OF ATMOSPHERIC VARIABILITY: Selected Papers of Nanjing Institute of Meteorology Alumni in Commemoration of Professor Jijia Zhang*, edited by Xun Zhu (Johns Hopkins), Xiaofan Li (NOAA), Ming Cai (Florida State), Shuntai Zhou, Yuejian Zhu (NOAA), Fei-Fei Jin (University of Hawaii), Xiaolei Zou (Florida State) and Minghua Zhang (SUNY Stony Brook)
640pp, ISBN 981-238-704-8, <http://www.worldscibooks.com/environsci/5431.html>

Book or Proceedings proposals by COAA members are welcome. Please contact one of the Editorial Board members for further information.

COAA member Dr. T.-W. Yu retired from NOAA and employed by Howard University in DC

COAA member Dr. Tsan-Wan Yu has announced his decision to retire from the US government service at the end of February 2005, after a career of nearly 30 years as research meteorologist at NOAA/NCEP. Effective March 1, he will be taking up another position as the Distinguished Scientist of NOAA Center for Atmospheric Sciences at Howard University in Washington DC. The Center comprises Howard University in Washington DC, University of Puerto Rico at Mayaguez, Jackson State University, University of Texas at El Paso, University of Illinois at Urbana-Champaign, and State University of New York at Albany. In this position, Dr. Yu will be a faculty member of the Howard University, and will be teaching and mentoring graduate students, and most importantly, overseeing and collaborating research projects with faculty and graduate students of these six universities to meet the NOAA mission and priorities.

NASA Goddard in transformation (provided by Dr. Ben Chao)

As a result of President Bush's "Exploration Initiative" address over a year ago, NASA's science underwent a major re-organization (called a "transformation"), in an effort to meet the new challenges of going (back) to the Moon and on to Mars. Effective January 23, 2005, Goddard Space Flight Center merged her Space Science and Earth Science Directorate into one single "Science" Directorate (code number 600), in which the scientific units are now called Laboratories. COAA member Ben Chao now heads the Space Geodesy Laboratory as its Chief.

The paradigm of this transformation in the first stage is to minimize any impact on everyday life and work, and to realign with new directions in the future through proposal and budgetary processes. In the coming years, one may expect a (relatively small) portion of NASA Earth science research dollars shifted to support planetary exploration systems and, hopefully, planetary sciences. In the meantime, NASA (including Goddard) is continuing its fiscal transformation to become "full-cost accounting", i.e. soft-money based, system. Related to that, discussions concerning the so-called Federally Funded Research and Development Centers (the JPL model) is on-going.

On a separate note, Ben Chao has recently assumed his new duty as the President of the Geodesy Section of AGU (American Geophysical Union) since July of 2004. This is a 4-year term of duty, the first 2 years as the President-elect, and now another 2 years as the President until 2006. (To those of you who had voted for him into this position three years ago, he wants to blame you,... ehhhh, thank you....)

(5) Professional meeting announcements

COAA Spring Workshop

You are cordially invited to attend the COAA Spring Workshop on April 16th, 2005. This workshop is to:

- Exchange ideas and results, and know who's who and what's going on among COAA members in a friendly and stimulating environment;
- Meet with program managers from NSF, NASA, and Navy who understand, respect, and appreciate your research achievement;

ABSTRACT DEADLINE: **April 1, 2005** (email to contact person listed below)

TIME **April 16th 2005, 1:00pm – 5:00pm**
Followed by a dinner at Seven-Sea Restaurant, College Park
(~\$15/person)

LOCATION Room 2400 (Seminar room)
3431 CSS Building
Department of Meteorology
University of Maryland, College Park
<http://www.atmos.umd.edu/~seminar/directions.htm> for direction. Parking is free on Saturday.

STYLE Both oral and poster presentations are solicited. Poster presentations are especially encouraged and will be given a five-minute oral summary. Please specify your preference.

INVITED SPEAKERS (Program Managers)

Dr. Tsengdar Lee
Program Manager
Research Division
NASA Office of Earth Science

Dr. Marshall Lih, TRP MET Team Leader
Director, Engineering Education and Centers Division
Directorate for Engineering
National Science Foundation

Dr. Steve Tracton
Program Manager
Ocean, Atmosphere and Space (OAS)
Office of Navy Research

CONTACT PERSON

Dr. Menglin Jin, COAA Program Director for Oceans, mjin@atmos.umd.edu, 301-405-8833

Dr. Zhanqing Li, COAA Program Director for Atmos., zli@atmos.umd.edu, 301-405-6699

Announcement of NOAA's 30th Annual Climate Diagnostics and Prediction Workshop

NOAA's 30th Climate Diagnostics and Prediction Workshop will be held October 24-28, 2005 at the Nittany Lion Inn, State College, Pennsylvania. The Workshop is co-hosted by the Climate Prediction Center of the National Centers for Environmental Prediction (NCEP)/NOAA, Camp Springs, MD, and the Department of Meteorology of the Pennsylvania State University. The American Meteorological Society is a cooperating sponsor.

As always, the Workshop will also provide an opportunity for participants to exchange information, ideas, and

opinions. This year's Workshop will focus on the following topics:

- Review and assessment of recent climate anomalies.
- Observed and predicted climate variability in Alaska and adjacent regions.
- Ocean-land-atmosphere prediction accuracy and impacts.
- Role of North Atlantic cyclones (tropical and extra-tropical) in global climate.
- North American Monsoon Experiment (NAME) field campaign results.
- Theoretical and practical predictability of the land, ocean, atmosphere system.
- Long-term climate variability.
- Impact of a changing climate on predictions.

In addition, on 27-28 October the Workshop will feature several sessions summarizing activities of interest to the NOAA Climate Test Bed, including climate model assessments, multi-model ensembles and climate products and applications.

While the majority of presentations will be posters, the Workshop will feature oral sessions consisting of selected presentations with ample time for discussion. A web site for the Workshop will be linked through as <http://www.cpc.ncep.noaa.gov/products/outreach/CDPW30.html>.

Please send your abstracts to NCEP.CDWorkshop@noaa.gov. Include title, author(s), affiliation(s), abstract, e-mail address, phone and fax numbers, and preference for poster or oral presentation. However, remember that most papers will be included in the poster sessions. Deadline for submissions is 8 July 2005.

**Regional Climate Modeling Workshop,
22-23 March 2005**

A new website for the Regional Climate Modeling Workshop. <http://box.mmm.ucar.edu/events/rcm05/>

This website provides a draft agenda, information on travel and lodging, and a registration page.

We are asking that everyone register for the workshop on this page. Administratively, by registering on this website our information and planning will be accurate. You are welcome to contribute a poster at the workshop, and the registration page has a place to submit the abstract for the poster.

PLEASE REGISTER.

If you have any questions, please feel free to ask.

Sudie Kelly
Workshop Administrator
MMM/NCAR
P.O. Box 3000
Boulder, CO 80307
Phone: 303-497-8951
Fax: 303-497-8181
workshop@ucar.edu

**Grid 2005 - 6th IEEE/ACM International Workshop on Grid Computing
(held in conjunction with SC05)**

November 14, 2005, Seattle, Washington, USA

<http://pat.jpl.nasa.gov/public/grid2005/>
<http://www.gridcomputing.org/>

General Information

In the last few years, the Grid community has been growing very rapidly and many new technologies and components have been proposed. This, along with the growing popularity of web-based technologies, and the

availability of cheap commodity components is changing the way we do computing and business. There are now many ongoing grid projects with research and production-oriented goals.

Grid 2005 is an international meeting that brings together a community of researchers, developers, practitioners, and users involved with the Grid. The objective of Grid 2005 is to serve as a forum to present current and emerging work as well as to exchange research ideas in this field.

The previous events in this series were: Grid 2000, Bangalore, India; Grid 2001, Denver; Grid 2002, Baltimore; Grid 2003, Phoenix; and Grid 2004, Pittsburgh. All of these events have been successful in attracting high quality papers and a wide international participation. Last year's event attracted about 400 registered participants.

The proceedings of the first three workshops were published by Springer-Verlag, and the proceedings of the two most recent workshops were published by the IEEE Computer Society Press. We expect this year's proceedings will join those of the last two years in the IEEE Computer Society's Digital Library.

Grid 2005 topics of interest (in no particular order) include, but are not limited to:

- * Internet-based Computing Models
- * Grid Applications, including eScience and eBusiness Applications
- * Data Grids, including Distributed Data Access and Management
- * Grid Middleware and Toolkits
- * Grid Monitoring, Management and Organization Tools
- * Resource Management and Scheduling
- * Networking
- * Virtual Instrumentation
- * Grid Object Metadata and Schemas
- * Creation and Management of Virtual Enterprises and Organizations
- * Grid Architectures and Fabrics
- * Grid Information Services
- * Grid Security Issues
- * Programming Models, Tools, and Environments
- * Grid Economy
- * Autonomic and Utility Computing on Global Grids
- * Performance Evaluation and Modeling
- * Cluster and Grid Integration Issues
- * Scientific, Industrial and Social Implications

Important Dates

27 May 2005 Full paper submission due
29 July 2005 Acceptance notification
19 August 2005 Camera-ready copy due
14 November 2005 Workshop
27 January 2006 Extended versions of best 6-8 papers due
Fall 2006 Grid 2005 special issue of IJHPCN (Issue 3 of 2006)

Paper Submission and Publication

Grid 2005 invites authors to submit original and unpublished work (also not submitted elsewhere for review) reporting solid and innovative results in any aspect of grid computing and its applications.

Papers should not exceed 8 single-spaced pages of text using 10-point size type on 8.5 x 11 inch paper (see IEEE author instructions at <http://www.computer.org/cspress/instruct.htm>). All bibliographical references, tables, and figures must be included in these 8 pages. Submissions that exceed the 8-page limit will not be reviewed. Authors should submit a PDF file that will print on a PostScript printer. Electronic submission is required. The URL of the site for submission will be listed on the workshop website. Submission implies the willingness of at least one of the authors to register and present the paper.

Proceedings: All papers selected for this workshop are peer-reviewed and will be published as a separate

proceedings. After the event, the papers will be published in IEEE Xplore and in the CS digital library.

Special Issue: The best 6 to 8 papers from the workshop will be selected for journal length extension and their publication in a special issue of International Journal of High Performance Computing and Networking (IJHPCN). The special issue is expected to be published in Fall 2006 as issue 3 of 2006.

Conference Organization

General Chair: Wolfgang Gentzsch, MCNC, USA

Program Chair: Daniel S. Katz, JPL/Caltech, USA

Program Vice Chairs:

- * Applications: Alan Sussman, University of Maryland, USA
- * Data grids: Heinz Stockinger, University of Vienna, Austria
- * Networking/Security/Infrastructure: Olle Mulmo, Royal Institute of Technology (KTH), Sweden
- * Scheduling/Resource management: Henri Casanova, UCSD, USA
- * Tools/Software/Middleware: Jennifer Schopf, National e-Science Centre/Argonne National Lab, UK/US

Publicity Chair: Cho-Li Wang, University of Hong Kong, China

Proceedings Chair: Joseph C. Jacob, JPL/Caltech, USA

Program Committee: being determined, see web site for updates

Steering Committee:

- * Mark Baker, University of Portsmouth, UK
- * Rajkumar Buyya, University of Melbourne, Australia
- * Craig Lee, Aerospace Corp., USA
- * Manish Parashar, Rutgers University, USA
- * Heinz Stockinger, University of Vienna, Austria

Contact

For further information on Grid 2005, please contact the Program Chair: Daniel S. Katz - d.katz@ieee.org

IAMAS2005 reminder --Abstract Submission Deadline: February 25, 2005

The International Association of Meteorology and Atmospheric Sciences (IAMAS), will hold its biennial Scientific Assembly in Beijing, China from 2-11 August 2005. The theme of the conference is The Fascinating Atmosphere: Changeable and Changing, and will cover all areas of meteorology and atmospheric sciences, including dynamics, radiation, chemistry, electricity, clouds and precipitation, and climate variability and change.

Abstract submission can be done electronically on the IAMAS 2005 Web site (<http://www.iamas2005.com>).

If you haven't submitted an abstract, please notice that the deadline is 25 February 2005. Registration can also be done over the Web, and early bird registration is available until 1 June 2005.

The hotel and tour (pre-tour, post-tour, weekend excursions) reservations are also available. August is the tourist season in China. Due to high occupancy then, please book your hotel and tour early.

Details of following meeting announcements are listed in issue #15 (January 2005), please check [coaaweb](http://www.coaaweb.org).

EastFIRE Conference

May 11-13, 2005 at George Mason University, Fairfax, VA.

<details please see issue #15 January 2005 at <http://www.coaaweb.org> >

AGU Spring Meeting, Joint Assembly 2005 in New Orleans, LA, May 23-27 2005

A02: Microphysical Processes in Cloud Resolving, Numerical Weather Prediction, and Climate Models

< detail in issue #15 January 2005 at <http://www.coaaweb.org> >

**The Asia Oceania Geosciences Society's 2nd Annual Meeting
Singapore, 20 to 24 June 2005.**

<details please see issue #15 January 2005 at <http://www.coaaweb.org> >

The 6th International RSM workshop – First Announcement

at
International Research Institute for Climate Prediction
Palisades, NY
July 11-15, 2005

<http://ecpc.ucsd.edu/projects/RSM/RSM2005/>

< details please see issue #15 January 2005 at <http://www.coaaweb.org> >

IMAS Meeting – Second Announcement

9th Scientific Assembly of the International Association of Meteorology and Atmospheric Sciences (IAMAS)
of the International Union of Geodesy and Geophysics (IUGG) Beijing, China, August 2-11, 2005

PAGES' 2nd Open Science Meeting August 10-12, 2005

<http://www.iamas2005.com> and <http://web.lasg.ac.cn/IAMAS2005>

< details please see issue #15 January 2005 at <http://www.coaaweb.org> >

**Sixth International Workshop on
Advanced Parallel Processing Technologies (APPT 2005)**

27/28 Oct. 2005, Hong Kong, China

<http://www.comp.polyu.edu.hk/APPT05>

< details please see issue #15 January 2005 at <http://www.coaaweb.org> >

**The 8th International Conference and Exhibition on
High-Performance Computing in Asia-Pacific Region**

November 30-December 3, 2005, Beijing, China

<http://www.ict.ac.cn/hpcasia2005>

< details please see issue #15 January 2005 at <http://www.coaaweb.org> >

(6) Jobs opportunities

The following information is also online:

<http://www.caps.ou.edu/reu/application-fac.html>

SUMMER RESEARCH OPPORTUNITY FOR FACULTY

National Weather Center

Research Experiences for Undergraduates Program

*Summer 2005**

* faculty on quarter systems will be accommodated

APPLICATION / INFORMATION PACKET

** Two faculty positions available in Summer 2005**

INTRODUCTION:

The National Weather Center (nwc.ou.edu) Research Experiences for Undergraduates Program in Norman, Oklahoma invites faculty from outside institutions to join us to co-mentor a student in our REU program. The 10-week program will begin around Memorial Day. Faculty will be hired as an independent contractor to the University of Oklahoma under a total contract of \$17,000 to provide for salary, housing and travel to and from Norman,

Oklahoma.

PURPOSE:

Many undergraduate students seek summer internships but not all are able to obtain one. For example, the National Weather Center REU program could only accept 10 of the 102 applications we received from undergraduate college students nationwide in 2003. Most of our applications come from students who are at schools that lack graduate programs in their major and therefore have little or no opportunity to be exposed to research. Students at larger schools have not usually had exposure to research since undergraduates are not generally seen as potential research project help. By extending the opportunity for faculty from colleges and universities nationwide to spend a summer with our REU program we seek to energize their career and provide networking opportunities for them and their students.

SCOPE:

The visiting faculty's primary responsibility is to co-mentor a student in our REU program on a project of mutual interest to them and a National Weather Center scientist. The project, including a paper and presentation on the work, must be completed by the student during the 10-week program. The remainder of the faculty's time may be spent pursuing their own research or collaborating on a project of mutual interest with someone in the NWC. The faculty will be expected to participate in certain REU activities including the welcome picnic and periodic lunch meetings where students practice presentations. Faculty will also be expected to provide a seminar on a research or subject topic of their choice and attend the students' final presentations. In addition to the end-of-summer presentation, students in the 2004 and 2005 programs will present their work at a national student or professional conference, such as the American Meteorological Society's annual student conference the following January. Faculty will be expected to help the student prepare for this additional presentation and networking opportunity. This preparation may take place during or after the program and is considered part of the contract.

ELIGIBILITY:

Faculty must be employed at an institution in meteorology or a related field, or in a field where research methodologies might apply to meteorological problems. They must work extensively with undergraduate students at their home institution and must be a US citizen or permanent resident. Applications from women and minorities are particularly encouraged. The University of Oklahoma is an Equal Opportunity, Affirmative action employer. Tenured, tenure-track, nontenured, and nontenure-track faculty are all welcome to apply.

TO APPLY:

To help faculty applicants improve their chances of success of being selected, we recommend calling the REU program director (Ph: 405-366-0468) to discuss strategies in preparing their application.

Send the following at your earliest convenience:

1. **Your full name**
2. **Your institutional affiliation and position** (include title, job duties, and number of years in this position)
3. **Your preferred mailing address, e-mail, and phone**
4. **A short narrative** on why you would like to be considered for this opportunity. Include the anticipated benefit to your own career, benefit to the undergraduate students at your home institution, and how this collaboration will benefit the research you would like to do while in Norman.
5. **One or more potential project ideas** for the student you will co-mentor in our program. This will help us identify potential local co-mentors for you. If you have ideas on who you would like to collaborate with, please mention them and whether you have spoken with them about this opportunity.
6. **A list of your publications**
7. **A list of people** we may contact as references for you. Please include one (or more) name/title/phone number representing each of the following categories:
 - a. a fellow teacher/peer at your home institution
 - b. someone above you in your institution's hierarchy (such as your Department Chair, Dean, or President)
 - c. a past or present student
 - d. anyone who can comment on your teaching, mentoring, and research abilities
8. **Indicate if you are a US citizen or permanent resident**
9. **OPTIONAL** : Demographic information:
Race : Asian, Black, Native American/Alaska Native, Native Pacific Islander, Caucasian, Other

Ethnicity : Hispanic/Latino, Not Hispanic/Latino
Gender : Female, Male
Other : Disability, Veteran Status

Send to:

Daphne S. Zaras
National Weather Center REU
The University of Oklahoma
100 E. Boyd, Room 1110
Norman, Oklahoma 73019

If you have any questions or concerns, please contact Ms. Daphne Zaras:
Phone: 405-366-0468
E-mail: dzaras@ou.edu

These positions will remain open until filled.

The National Weather Center REU is funded by a grant from the National Science Foundation to the University of Oklahoma's Center for Analysis and Prediction of Storms. All institutions in the National Weather Center are Equal Opportunity, Affirmative Action Employers.

-- Followings are some recent jobs from government agents related to our fields:

Job: NWS-WR-2005-0074
Job Position: 1340 Meteorologist
Job Description: Meteorologist (Intern), GS-1340-05/07/09/11 (PM)
Job grade: GS-05/11
Open Date: 02/10/2005
Close Date: 03/03/2005
Salary Range: \$27569.00-\$65704.00
1 vacancy at Glasgow, MT

Follow this link to the job listed above: <https://jobs.quickhire.com/scripts/doc.exe/rundirect?Org=1&Job=970>
This position is also listed with USAJobs website (<http://www.usajobs.opm.gov>), as Control Number 380252

Job: NWS-WR-2005-0066
Job Position: 1341 Meteorological Technician
Job Description: Hydrometeorological Technician, GS-1341-10,11, PM
Job grade: GS-10/11
Open Date: 02/10/2005
Close Date: 03/03/2005
Salary Range: \$46001.00-\$65704.00
1 vacancy at Glasgow, MT

Follow this link to the job listed above: <https://jobs.quickhire.com/scripts/doc.exe/rundirect?Org=1&Job=935>
This position is also listed with USAJobs website (<http://www.usajobs.opm.gov>), as Control Number 380254

Job: NWS-WR-2005-0077
Job Position: 1341 Meteorological Technician
Job Description: Hydrometeorological Technician, NWS-WR-2005-0077.PM
Job grade: GS-10/11
Open Date: 02/10/2005
Close Date: 03/03/2005
Salary Range: \$46001.00-\$65704.00

1 vacancy at Pocatello, ID

Follow this link to the job listed above: <https://jobs.quickhire.com/scripts/doc.exe/rundirect?Org=1&Job=981>
This position is also listed with USAJobs website (<http://www.usajobs.opm.gov>), as Control Number 380528

Job: NWS-NCEP-2005-0026
Job Position: 1340 Meteorologist
Job Description: Meteorologist
Job grade: GS-09/13
Open Date: 02/09/2005
Close Date: 03/14/2005
Salary Range: \$43365.00-\$97213.00

1 vacancy at Prince Georges County [Includes Andrews AFB & Suitland], MD

Follow this link to the job listed above: <https://jobs.quickhire.com/scripts/doc.exe/rundirect?Org=1&Job=805>
This position is also listed with USAJobs website (<http://www.usajobs.opm.gov>), as Control Number 379376

Job: NWS-NCEP-2005-0020
Job Position: 2210 Information Technology Specialist
Job Description: Information Technology Specialist
Job grade: GS-09/13
Open Date: 02/09/2005
Close Date: 03/14/2005
Salary Range: \$43365.00-\$97213.00

1 vacancy at Prince Georges County [Andrews AFB & Suitland, MD)

Follow this link to the job listed above: <https://jobs.quickhire.com/scripts/doc.exe/rundirect?Org=1&Job=797>
This position is also listed with USAJobs website (<http://www.usajobs.opm.gov>), as Control Number 379297

(7) Research proposal opportunity

RESEARCH OPPORTUNITIES IN SPACE AND EARTH SCIENCES (ROSES) 2005

NNH05ZDA001N, entitled "Research Opportunities in Space and Earth Sciences - 2005 (ROSES-2005)," will be available on or about January 28, 2005, by opening the NASA Research Opportunities homepage at <http://nspires.nasaprs.com/> and then linking through the menu listings "Solicitations" to "Open Solicitations." This NASA Research Announcement (NRA) solicits proposals for supporting basic and applied research and technology across a broad range of Earth and space science program elements relevant to one or more of the three defined NASA science themes: Earth-Sun System, Solar System, and Universe. Proposal due dates are scheduled starting on April 8, 2005, and continue through February 10, 2006. Electronically submitted Notices of Intent to propose are requested for all program elements, with the first such due date being February 18, 2005. The electronic submission of each proposal's Cover Page / Proposal Summary / Budget Summary is required by the respective due dates for proposal submission, and must be submitted by an authorized official of the proposing organization. Participation is open to all categories of organizations, foreign and domestic, including educational institutions, industry, nonprofit organizations, NASA centers, and other Government agencies.

Potential proposers should be aware of a major change in the NASA proposal submission process from 2004. NASA has implemented a new master proposal data base system. All proposers, co-investigators, and proposing organizations must register with the system at <http://nspires.nasaprs.com/>. A significant change from the previous system is the requirement that the required, electronically submitted Cover Page / Proposal Summary / Budget Summary must be submitted by an authorized official of the proposing organization. Every organization that intends to submit a proposal in response to this NRA must be registered with the system. Potential proposers are urged to access the system well in advance of the proposal due date(s) of interest to familiarize themselves with its structure and enter the requested information.

Further information about specific program elements may be obtained from the individual Program Officers listed for each program element in this NRA, while questions concerning general NRA policies and procedures may be directed to Dr. Paul Hertz, Assistant Associate Administrator for Science, Science Mission Directorate, NASA Headquarters, Washington, DC 20546-0001; E-mail: paul.hertz@nasa.gov; Telephone: 202-358-0986.