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December 2008 U.S. CLIVAR News-gram

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CALENDAR of UPCOMING EVENTS

(for more information-www.usclivar.org/calendar.html)

January 2009

11-15: AMS Annual Meeting (Phoenix, Arizona)

15-17: US CLIVAR Western Boundary Current Workshop (Phoenix, Arizona)

12-14: CLIVAR Working Group on Seasonal to Interannual Prediction (WGSIP) (Miami, FL)

February 2009

9-13: Conference on Southern Hemisphere Meteorology and Oceanography (Australia)

Research Opportunities

1. Call for Preproposals for Scientific Research at the US Department of Energy's Atmospheric Radiation Measurement (ARM) Climate Research Facility (ACRF)

Proposals for conducting field campaigns and scientific research using the ARM Climate Research Facilities at the Southern Great Plains, North Slope of Alaska, Tropical Western Pacific, ARM Mobile Facility (AMF), and/or Aerial Vehicles Program (AVP) are welcome from all

members of the scientific community for 2011. The ACRF is an ideal platform on which to test or validate new instruments; for a short-duration period of data acquisition; or longer, more permanent type of data acquisition. Users wishing to initiate a request should submit a [Field Campaign Preproposal Form](#). **The due date for preproposals is February 1, 2009.**

The ACRF contributes to a wide range of interdisciplinary science in areas such as water cycle, carbon cycle, cloud physics, aerosols, and weather prediction. Requests for use of the AMF should include a deployment time of 6-10 months. Proposals for AVP campaigns should make use of the ARM fixed or mobile facilities. Exceptions to these stipulations must be approved by the DOC Program Director. Preference will be given to AMF deployments in which the AMF is embedded in a large field campaign. The ACRF may consider proposals for the AMF to participate in a major international field campaign in the year 2012, if the Principal Investigators (PIs) can demonstrate the need for substantial preparation time (more than 18 months). In such cases, the PIs also must demonstrate that funding is being made available to support the associated research effort of participating international institutions.

A new mobile facility (AMF2) designed for use in marine environments is under development. It is expected to be operational by the end of 2010. The ACRF is accepting preproposals for use of this facility. See the ARM website (www.arm.gov) for details and updates on the availability of the AMF2. AVP also will entertain proposals for the maturation of airborne instrumentation that can be made flight ready by the end of FY2011. As a result, FY2011 AVP flight proposals will have to be of smaller scope. Partnering with other agencies is encouraged.

A select number of full proposals will be invited, which will be due on May 1, 2009. To be invited to submit a full proposal, the PI should demonstrate in the preproposal that research funding for PI effort already has been secured or that a proposal to a funding agency already has been submitted. For more guidance on ACRF field campaigns, see www.arm.gov/acrf/iopdocs

2. Call for Graduate Fellowship Proposals - NASA Earth and Space Science Fellowship (NESSF) Program

Application Deadline for New Applications: 3 February 2009 Application Deadline for Renewal Applications: 16 March 2009

The National Aeronautics and Space Administration (NASA) announces a call for graduate fellowship proposals to the NASA Earth and Space Science Fellowship (NESSF) program for the 2009-2010 academic year. This call for fellowship proposals solicits applications from accredited U.S. universities on behalf of individuals pursuing Master of Science (MSc) or Doctoral (PhD) degree in Earth and space sciences, or related disciplines. The purpose of NESSF is to ensure continued training of a highly qualified workforce in disciplines needed to achieve NASA's scientific goals. Awards resulting from the competitive selection will be made in the form of training grants to the respective universities.

The NESSF call for proposals and submission instructions are located at the NESSF 09 solicitation index page at: <http://nspires.nasaprs.com/>. Click on "Solicitations" then click on "Open Solicitations," and select the "NESSF 09" announcement. Please also review the "Proposal Submission Instructions" under "Other Documents" on the NESSF 09 solicitation index page.

All proposals must be submitted in electronic format through the NASA NSPIRES system. Students' advisors have an active role in the submission of the fellowship proposal. To use the NSPIRES system, the advisor, the student, and the university must all register. Extended instructions on how to submit an electronic proposal package are posted on the NESSF 09 solicitation index page. NSPIRES registration is available at: <http://nspires.nasaprs.com/>.

For further information, please contact: Anne Crouch, Program Administrator for NESSF Earth Science Research Phone: 202-358-0855; Email: hq-nessf-Earth@nasa.gov

Position Announcements

3. Office of Naval Research Summer Intern and Faculty Opportunities

Naval Research Enterprise Intern Program, NREIP. http://nreip.asee.org/program_details

Each year, Naval Research Laboratory's Marine Meteorology Division in Monterey has selected several graduate students or upper class undergraduates to spend 10 weeks at the Laboratory working with one or more of our scientists on a research project that matches their interests and capabilities. This type of exposure to a laboratory work environment can be a valuable learning experience and also provides the students with exposure to a broad range of scientists and research topics outside of academia. The laboratory is unique in that we have well over 100 different projects that range from basic research to applied development to the transition of operational applications. Since we work on "soft money", we not only do work for the Navy, but also for NASA, NOAA, Air Force, Army, FAA, Homeland Security, and others. The range of topics covered include everything from atmospheric predictability, scale interactions, and basic dynamics to complex air-sea interaction and cloud-aerosol microphysics. We develop the Navy's operational NWP systems, including 3D and 4D variational data assimilation systems (with research ongoing in ETKF and hybrid methods), and forecast models that range from microscale to global scale and are coupled with ocean, wave, aerosol, and middle atmosphere models. We develop a host of remote sensing products, utilizing 32 near-real time data streams that automatically come into the laboratory 24/7 from the various suites of operational and research satellites. We have a global focus for a sea-going Navy, and are highly interested in tropical meteorology, as well as the changing arctic environment. We have a Probabilistic Prediction Research Office that includes some of the world's experts in ensemble prediction and probabilistic forecasting. And we have developed and transitioned world-class global and mesoscale aerosol prediction systems, as well as built a mobile aerosol measurement laboratory that we use in field experiments.

The Laboratory has a Summer Faculty Research Program, as well.

<http://hroffice.nrl.navy.mil/jobs/Faculty-Program.htm>.

4. IMBER (Integrated Marine Biogeochemistry and Ecosystem Research) Executive Officer position

Deadline for submission of applications: December 5th, 2008

IMBER is an international research project focussed on marine biogeochemical and ecosystem research (www.imber.info). IMBER is seeking to appoint an Executive Officer to lead the International Project Office (IPO) at the Institut Universitaire Européen de la Mer (IUEM), Brest, France. IUEM is a joint institute between the French Centre National de Recherche Scientifique (CNRS) and the University of Western Brittany. The Executive Officer will be assisted by a Deputy Executive Officer and an Administrative Assistant. The tasks of the Executive Officer and IPO staff include assisting the Scientific Steering Committee (SSC) in implementing the IMBER Science Plan and Implementation Strategy, organising and servicing meetings of the SSC, working groups and task teams, liaising with the sponsors (IGBP and SCOR) and other relevant organisations, seeking and managing project finances, representing the project at international meetings, maintaining the project website and interacting with IMBER national committees and groups, as well as other international projects. For this post, which is central to the IMBER research effort, we seek a candidate with a strong track record in scientific coordination, as well as familiarity, and preferably some experience, in the IMBER research

areas. Experience of coordination of international science projects would be an advantage. Some international travel will be involved. The successful candidate will have excellent interpersonal and administrative abilities, be fluent in English and have first-class skills in both written and verbal communication. This post is available for three years and will be filled as soon as possible. Starting salary will up to 45,000 Euros (gross), dependent on the relevant skills, knowledge and experience that the post holder brings to the role.

Details of the IMBER project can be viewed at: www.imber.info Informal enquiries should be made to Dr Julie Hall, Tel: +64 4 386 0322; e-mail: j.hall@niwa.co.nz

Applications, to include a CV, and the names and contacts for three referees should be sent to Dr. Julie Hall
NIWA - Private Bag 14901
Kilbirnie, Wellington
New Zealand
or : j.hall@niwa.co.nz or Fax: 64 4 386 0322

5. Executive Secretary of the Intergovernmental Oceanographic Commission of UNESCO

The post SC-079 of Executive Secretary of the Intergovernmental Oceanographic Commission of UNESCO (UNESCO Assistant Director-General) is now open for application during 60 days from 14 November 2008 to 14 January 2009. The announcement has been made on the UNESCO official website at:

http://recrutweb.unesco.org/postes/postes_visualisation.asp?AffLangue=gb&CATPOSTE=1

The job announcement also appears in the next issues of Science, 13 November 2008 and Nature, 14 November 2008. With regards to the online part, please use links below:

Science website: <http://scjobs.sciencemag.org/jobs/default.aspx?job=33416>

Nature website: <http://www.nature.com/naturejobs/science/jobs/77773>

6. Post-doc at the National Center for Atmospheric Research

This is a new, full-time, 2-year term position. The incumbent will perform in depth analyses of the climate model simulations from the North American Regional Climate Change Assessment Program (NARCCAP, url: www.narccaap.ucar.edu) with a focus on diagnosing errors in current climate runs and possible effects on model response to future forcing for various subregions of North America (e.g., Southwest USA). Creatively develop indices of model regional simulation 'credibility.' Participate in determination of how to weight different models regarding our 'confidence' in the model future responses for use in developing a Bayesian probabilistic model of regional climate change.

Application deadline is: December 15, 2008. Start date is negotiable, but as soon as possible.

For requirements and to apply, please visit the following URL:

<https://hostedjobs.openhire.com/epostings/jobs/submit.cfm?fuseaction=dspjob&jobid=192914&company_id=15947&version=1&source=ONLINE&jobOwner=962108&aid=1>

For questions, inquiries, please contact Dr. Linda Mearns, NCAR (lindam@ucar.edu)

Meetings and Workshops

7. International Association for Meteorology and Atmospheric Sciences (IAMAS)

Symposium; Palais des Congrès, Montréal, Quebec, Canada during 19 – 29 July, 2009

M10: Tropical Waves and Circulations and Tropical-Midlatitude Interactions

This symposium is part of a larger Assembly of the International Association for Meteorology and Atmospheric Sciences (IAMAS) and our oceanographic and cryospheric sister societies. See www.moca-09.org for more details, including other symposia of interest.

The deadline for submitting abstracts is January 23rd. There is no up-front fee for submission.

* More detail from the symposium's call for papers: <http://www.moca-09.org/e/M10.shtml>

8. Eighth Workshop on Decadal Climate Variability: Decadal Nowcasting, Forecasting, and Societal Impacts

Harbourtowne in St. Michaels, Maryland during 11-14 May 2009

The Workshop program will consist of theme talks, posters, and discussion sessions. Contact Vikram Mehta (vikram@crces.org) for more information.

9. International GHRSSST Users Symposium 28-29 May 2009 in Santa Rosa, CA

The Group for High-Resolution Sea Surface Temperature (GHRSSST) project provides a new generation of uniformly processed satellite SST data and global high-resolution (<10km) SST products to the operational oceanographic, meteorological, climate and general scientific community. More information on the project is at <http://www.ghrsst-pp.org/>. The symposium will update SST data users on satellite data sets and the current status of blended products. We are requesting presentations on the latest research and/or applications using GHRSSST data. Topics may include, but are not limited to: oceanographic research, air-sea interactions, coral reefs, ocean modeling and forecasting, maritime pollution monitoring, coastal environmental protecting and management, fisheries, marine park management, sea ice, ocean circulation, and data assimilation systems. The two day symposium aims to assemble a diverse group of scientists to discuss recent advances in the knowledge of processes related to sea surface temperature and foster enhanced collaboration between GHRSSST data users and research groups.

The GHRSSST Data Users Symposium will be held at the Vineyard Creek Hyatt in Santa Rosa, CA, USA, from 28 to 29 May 2009, at the invitation of Remote Sensing Systems and NASA's Jet Propulsion Laboratory Physical Oceanography Distributed Active Archive Center (PO.DAAC). A detailed agenda will be established and circulated later, however we suggest that an early reservation is made for hotels, as Santa Rosa is a popular travel destination. **Deadline for registration is 31 January 2009.** More information at: <https://www.ghrsst-pp.org/International-GHRSSST-Data-Users-Symposium-Event.htm>.

10. International Science Symposium Announcement Arctic Science Summit Week 2009

The Arctic Science Summit Week (ASSW) 2009 will, for the first time, include not only annual meetings of the arctic organizations, but also a 3-day International Science Symposium, to be held 24-26 March 2009, in Bergen, Norway. Annual meetings are scheduled to take place 22-23 and 27-28 March. More information is available on the ASSW 2009 website: <http://www.imr.no/assw2009>.

Additionally, a Science Forum will be held on 28 March. The main purpose of this Science Forum is to introduce and discuss the scientific content and foci of the International Arctic Science Committee's (IASC) new Scientific Standing Committees (SSC). The Executive

Committee, together with the Interim Chairs of the new IASC SSCs, will develop a program for the IASC Science Forum, which will also include contributions related to the follow-up of the Second International Conference on Arctic Research Planning (ICARP II). More information will be available soon.

For further information about the symposium and ASSW, please go to:
<http://www.imr.no/assw2009>.

ANNOUNCEMENTS:

- **America's Climate Choices Update from the National Academies**

<http://americasclimatechoices.org>

- **America's Climate Choices Study Launched**

The National Academies have launched a new, congressionally requested study to be called "America's Climate Choices ." This suite of activities will provide policy-relevant advice, based on scientific evidence, to guide the nation's response to climate change. Experts representing various levels of government, the private sector, and research institutions will serve on the study's four panels and its main committee. Five consensus reports will be released in 2009 and 2010. America's Climate Choices will examine and evaluate the actions and strategies available to limit the magnitude of future climate change, adapt to climate change impacts, advance climate change science, and inform effective decisions and actions.

- **Provisional Committee Membership Announced**

The provisional membership of the Committee on America's Climate Choices has been announced. The chair will be Dr. Albert Carnesale, Chancellor Emeritus of the University of California, Los Angeles. Dr. William Chameides, Dean of the Nicholas School of Environmental Studies at Duke University, will serve as Vice Chair. Committee members are chosen on the basis of their knowledge and experience, and the committee is balanced for an overall diversity of perspectives. The proposed members for each of the four study panels will be announced in a few weeks.

- **Study Schedule and Website**

The first meeting of the Committee on America's Climate Choices will be November 18-19, 2008, in Washington DC, and its second meeting will be January 5-6, 2009 in Irvine, California. The panels will begin meeting shortly thereafter. Look for meeting agendas and further information about the committee and the rest of the America's Climate Choices suite of activities:

- **Committee on America's Climate Choices, Meeting #1**

November 18-19, 2008

National Academy of Sciences Building

2100 C Street, NW

Washington, DC

- **Committee on America's Climate Choices, Meeting #2**

January 5-6, 2009

Irvine, CA

Details TBA

- **Latest WCRP Ezine**

WCRP's news magazine on climate research is now available in e-zine N°12 at:

http://wcrp.wmo.int/documents/Ezine12_Dec08.pdf.

Science Highlights include:

- WCRP 2007-2008 Accomplishment Report now available;

- CLIVAR endorses Southwest Pacific Ocean Circulation-Climate Experiment (SPICE);

- SPARC invites the atmospheric community to participate in discussions on its research agenda;
- GEWEX and the Working Group on Numerical Experimentation (WGNE) reinvigorate model parameterization research;
- 7th International Polar Day: Above the Poles.