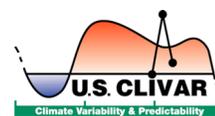


# June 2011 U.S. CLIVAR News-gram



Please forward to interested colleagues. If you have announcements to include in our next issue or if you would like to be removed from the news-gram email list please email Cathy Stephens in the U.S. CLIVAR Office ([cstephens@usclivar.org](mailto:cstephens@usclivar.org)).

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## Calendar of Upcoming Events

(for more information-[www.usclivar.org/calendar.html](http://www.usclivar.org/calendar.html))

### June

6-24: NCAR Advanced Study Program on Extreme Weather under Climate Change (Boulder, CO)

13-17: GODAE Ocean View-GSOP Workshop on Ocean Observing System Evaluation (Santa Cruz, CA)

20-24: Coupled Earth System Model Workshop (Breckenridge, CO)

27 – July 2: 3rd International Summit on Hurricanes and Climate Change (Rhodes, Greece)

28- July 11: IUGG Meeting (Melbourne, Australia)

### July

7-8: The First XBT Science Workshop: Building a Multi-Decadal Upper Ocean Temperature Record (Melbourne, Australia)

12-15: US AMOC/UK RAPID Meeting (Bristol, UK)

19-21: U.S. CLIVAR Summit (Woods Hole, MA)

25-29: CLIVAR Indian Ocean Panel Meeting (Chennai, India)

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## **Position Announcements**

### **1. Oregon State Postdoctoral Research Positions**

The College of Oceanic and Atmospheric Sciences at Oregon State University, Corvallis Oregon, invites applications for two Institutional Postdoctoral Research Associate positions in any area of Earth System Sciences, including climate, ocean, and atmospheric sciences and geophysics.

COAS is one of the world's leading graduate research institutions for oceanographic, atmospheric and earth sciences, with more than 200 faculty and staff members, approximately 100 graduate students, and a wide variety of assets including an excellent computing infrastructure, state-of-the-art analytical facilities, and two research vessels.

**Appointment:** Awards are competitive, with a major emphasis on potential for independent, creative research. The positions are awarded for three years, at 1.0, 0.75, 0.5 FTE in years 1, 2, and 3, respectively, guaranteed by the University. FTE can be increased to 1.0 in years 2 and 3 with external support generated by the candidate in collaboration with their faculty mentors. Successful candidates will be paired with suitable faculty mentors for training in the development and submission of fundable research proposals, research collaboration, and publication of results. COAS institutional postdocs will be encouraged to seek external funding, and may serve as Principal Investigator, or co-Principal Investigator, on grant proposals. Following the postdoctoral training period, an opportunity may exist, based on mutual agreement of the College and the candidate, and in accordance with university procedures, to change the position to a research or tenure-track status.

**Responsibilities and Duties:** Perform basic research in the themes of Climate Systems, Biogeochemical Systems, Earth Dynamics, Ocean and Atmospheric Sciences, Geophysics, and Earth System Management as part of OSU's strategic priority in the area of Advancing the Science of Sustainable Earth Ecosystems.

Develop a program of research that contributes to the field and external funding of a research program. Research activities are expected to result in publications that advance the knowledge and understanding of the natural and human-impacted earth systems, planets, or marine resource management. Results of research will lead to peer-reviewed journals and conference proceedings. Research duties may include developing and implementing research studies, collecting and analyzing data, modeling, and statistical analysis and interpretation of the results. The individual's role in the research will be as an independent investigator, and as a collaborator with PIs in the research theme.

Perform service that contributes to the College, University and the profession. This may include teaching activities such as guest lecturing, classroom instruction, course and curriculum development, and interacting with students informally in regard to academic program, research projects, and career direction.

Grant preparation and submission to agencies and foundations to gain external funding; preparation of peer-reviewed journal articles and presentations at professional conferences.

**Qualifications:** Candidates are required to have completed the Ph.D. degree in the general area of Earth System Sciences or related field prior to taking up the appointment.

Excellent command of the English language, quantitative analytical skills (appropriate to their field), and excellent written and verbal communication skills are required.

Preference will be given to candidates with a strong publication record, a demonstrable commitment to seeking external funding, and research interests aligned with the COAS strategic hiring plan

(<http://www.coas.oregonstate.edu/index.cfm?content.display&pageID=763>).

A demonstrable commitment to promoting and enhancing diversity is preferred.

**To Apply:**

Applications must include a curriculum vita, undergraduate and graduate school transcripts, names and addresses of three referees willing to write confidential letters of recommendation, and a two-page statement of proposed work, including information on possible COAS faculty mentors. We encourage applicants to contact faculty members with research interests fitting the proposed work:

<http://www.coas.oregonstate.edu/index.cfm>.

Candidates will be selected based on overall excellence, including academic qualifications, letters of recommendation, and a statement of proposed work that is compatible with the COAS strategic hiring plan as outlined on the college website (<http://coas.oregonstate.edu>).

Starting postdoctoral salary range is \$48,000-\$54,600/year based on full-time 1.0 FTE, plus benefits.

To access application instructions see <http://oregonstate.edu/jobs> posting 0007139.

Inquiries about the position may be directed to Dr. Eric Skyllingstad:

[skylling@coas.oregonstate.edu](mailto:skylling@coas.oregonstate.edu), 541-737-5697 (phone).

**2. Director and Principal Scientists at Centre for Climate Science, Singapore**

The Meteorological Service Division of Singapore Environmental Agency is setting up a Centre for Climate Science with an establishment of 29 staff. The Centre's main scientific activities will focus on research into modelling the complex weather and climate systems that affect the tropical region of Southeast Asia. Examples of such systems are convective thunderstorms, the monsoons, the Madden Julian Oscillation and the El Nino/La Nina. The Centre hopes to grow niche expertise in developing a deeper understanding and improving the prediction of tropical weather and climate systems.

A search is on for a Director for the Centre and two Principal Scientists. The concept paper for the Centre describes their roles as follows:

The Director of the Centre plays an executive leadership role. He/she will oversee the Centre's daily operations, and lead decision-making in the Centre's recruitment, expenditure, research and outreach strategies. Ideally, a full-time Director should combine strong administrative skills with clout in climate science. Prior experience

working with Government would be an advantage.

The two Principal Scientists will spearhead the research by providing on-the-ground, expert guidance to their staff. As such, their qualifications should include at least 10 years' experience in their specialist research domain; and the capacity to lead and develop a research/operations team. One Principal Scientist will take charge of teams on (i) climate modelling and prediction and (ii) climatology and climate studies. Another Principal Scientist will lead teams on (i) environmental prediction and assessment and (ii) weather prediction and research.

Depending on experience, the starting salary for the Director will be in the range of Singapore\$200,000 – 300,000. (Approx: US\$162K-243K)

Interested individuals please contact Professor LIM Hock Director of Tamasek Laboratories, Singapore. Professor LIM's email address is: [tslhead@nus.edu.sg](mailto:tslhead@nus.edu.sg)

## **Meetings and Workshops**

### **1. The First International Workshop on Climate Informatics Friday, August 26th, 2011 The New York Academy of Sciences New York, NY**

The threat of climate change is one of the greatest challenges currently facing society. Given the profound impact machine learning has made on the natural sciences to which it has been applied, such as the field of bioinformatics, we are forging and encouraging collaborations between machine learning (as well as data mining and statistics) and climate science, in order to accelerate progress in answering pressing questions in climate science. The goal of this workshop is to incubate this new field, Climate Informatics. Recent progress on Climate Informatics reveals that collaborations with climate scientists also open interesting new problems for machine learning. There are a myriad of collaborations possible at the intersection of these two fields. We hope that every workshop attendee leaves with a new collaboration in Climate Informatics. The format of the workshop will emphasize communication among the various fields, with a strong emphasis on brainstorming and break-out sessions, as well as a panel discussion. We will also generate a white paper on Climate Informatics, as a result of the workshop.

Preliminary web-site: <http://www1.ccls.columbia.edu/~cmontel/ciWorkshop.html>

Details:

- Submission deadline for poster abstracts: July 8th, 2011.
- Competitive travel fellowships may also be offered.
- Additional information is forthcoming, please check the website.

Contact: For more information, to get involved, or to sign up to receive announcements, please contact us here: [climate.informatics.2011@gmail.com](mailto:climate.informatics.2011@gmail.com).

### **2. Workshop on the Physics of Climate Models 29-23 March 2012**

## **Caltech, Pasadena, California**

Goal: To focus on key problems in the representation of physical processes in weather/climate models and to develop scientific and programmatic strategies for their solution.

There will be three multidisciplinary thematic sessions – one per day:

Tuesday: Tropical Weather and Climate

Wednesday: High-latitude Climate Physics

Thursday: Clouds and Climate Physics

Friday: Plenary and recommendations

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## **Announcements**

- **MERRA Special Issue Journal of Climate**

The MERRA Special of the Journal of Climate has been opened at the AMS Online Journals page, <http://journals.ametsoc.org/page/MERRA>. It currently includes the formal MERRA overview paper, and around 8 other accepted papers at the moment, with more than a dozen others still coming through the review process.

- **State of the Arctic Coast 2010 – Scientific Review and Outlook**

Published online by IASC, LOICZ, IPA and AMAP. The report focuses on sensitive coasts and thus represents an update of the two previous reports covering the entire Arctic region that examine the impacts of climate change, “Arctic Climate Impact Assessment” (ACIA, 2005), and the current social processes, “Arctic Human Development Report” (AHDR, 2004). It draws an initial interdisciplinary picture of the scientific understanding of the interplay between humanity and the rapidly changing nature on the coasts.

<http://www.loicz.org/press/index.html.en>