



Table of Contents

- [Geoscience Education Opportunities](#)
- [CUAHSI Hydrologic Data and Information Systems Conference Update!](#)
- [Aquatic Sensor Workshop](#)

For Your Information

Travel Grants Available: CUAHSI HydroGeoPhysics Facility. For additional information see the [CUAHSI HydroGeoPhysics Facility](#) web page.

Browse our postings page for interesting [Career Opportunities](#).

Check out the [CUAHSI Services page](#) for ways in which we can support your research!

Upcoming Events

June 5-8, 2011

- [International Ground-Water Modeling Center \(IGWMC\) — MODFLOW and More 2011](#) - Colorado School of Mines, Golden, CO

June 8-10, 2011

- [Joint USGS-CUAHSI Workshop — In Situ Optical Water Quality Sensor Networks](#) - Shepherdstown, WV

June 13-17, 2011

- [Water Diplomacy Workshop \(WDW\) — Managing the Science, Policy, and Politics of Water Networks Through Negotiation](#) - Tufts University, Boston, MA

June 21-22, 2011

- [Symposium on Data-Driven Approaches to Droughts](#) — Purdue University, West Lafayette, IN

June 22-24, 2011

- [CUAHSI Conference on](#)

Funding Opportunities in Geoscience Education

Education and Outreach is a CUAHSI core area, and should be an important aspect of larger water science research projects and programs. The National Science Foundation (NSF) has several funding opportunities for formal and informal education projects, and for supplementing current research grants to enhance educational and outreach opportunities.

The **Geoscience Education (GeoEd)** program is soliciting proposals for "innovative or transformative projects that improve the quality and effectiveness of formal and informal geoscience education at all educational levels, increase the number of students pursuing geoscience education and career paths, broaden participation of traditionally underrepresented groups in the geosciences, and promote public engagement in Earth system science." The full solicitation is available at www.nsf.gov/publications/pub_summ.jsp?WT_z_pims_id=5505&ods_key=nsf10512. **Proposals are due October 12, 2011.**

The **Research Experiences for Undergraduates (REU)** program supports active research participation by undergraduate students in all areas of research. The program supports REU sites, which are independent projects that initiate and involve a number of undergraduate students in a research project. Projects may be located within one department, multiple departments across a university, or be a collaboration among universities. **Proposals for REU Sites are due August 24, 2011.** Additionally, current principal investigators can request REU Supplements to add an undergraduate research component to a current project. The full program information is available at www.nsf.gov/funding/pgm_summ.jsp?pims_id=5517.

Another important opportunity for current PIs is **Connecting Researchers and Public Audiences (CRPA)**, part of NSF's **Informal Science Education (ISE)** program. CRPA projects are based on current NSF awards and are a way to "provide an opportunity for NSF-funded researchers to convey to diverse audiences key features of their research such as the methods, results, and significance." CRPA projects may use any platform to communicate their results, and can be requested at any time during an active project, or within 12 months of award expiration. The full ISE program solicitation is available at www.nsf.gov/pubs/2011/nsf11546/nsf11546.htm.

CUAHSI has a number of services that may assist those responding to Education and Outreach opportunities. Our [Cyberseminars](#) and meeting technology are possible mechanisms for outreach, and we are happy to consult on possible platforms for CRPA projects. We can also help by providing information to facilitate researchers in finding formal or informal education collaborators, or other university partners for potential REU site ideas. Please contact Jennifer Arrigo, CUAHSI program manager (jarrigo@cuahsi.org) if you'd like more information. Our Education and Outreach services page (cuahsi.org/eando.html) contains resources on outreach programs, Earth Science Literacy Principles, and other information that may be helpful to those preparing proposals.

CUAHSI Conference on Hydrologic Data and Information Systems 2011—Update!

Final preparations are being made for the CUAHSI-hosted conference on **Hydrologic Data and Information Systems** at Utah State University in Logan, UT on June 22-24, 2011. **There is still time to register for this event.** Please visit his.cuahsi.org/conference2011/ to register now--seats are filling up fast!

A draft program is available for download at his.cuahsi.org/conference2011/DraftProgram1.pdf

The conference will showcase the scientific progress enabled through the use of advanced information and data management systems. The conference will also showcase the CUAHSI Hydrologic Information System (HIS), a Web-based system for sharing hydrologic data. Workshops include:

- Data Search and Discovery with HydroDesktop
- Building and Running Model Workflows with HydroModeler

Hydrologic Data and Information Systems 2011 —

Showcasing scientific progress enabled through the use of advanced information systems - Utah State University, Logan, UT

June 27-29, 2011

- **National Conference on Engineering & Ecohydrology for Fish Passage** - University of Massachusetts Amherst

July 9-15, 2011

- Gordon Research Conferences **2011 Catchment Sciences — Sentinels of Global Change** - Bates College, Lewiston, ME

August 14-19, 2011

- **Goldschmidt 2011** - Prague, Czech Republic

September 11-13, 2011

- **Freshwater Advanced Aquatic Sensor Workshop: Sensors, Platforms and Data Management** - The University of Michigan Biological Station (UMBS) - Douglas Lake, MI

September 26-30, 2011

- **Fourth Interagency Conference on Research in the Watersheds (ICRW)** - Fairbanks, AK

September 7-9, 2012

- **13th Plinius Conference on Mediterranean Storms** - Priamar Fortress, Savona, Italy

- Publishing Data using HydroServer
- Developing Custom Tools for HydroDesktop
- Developing Custom Model Components for HydroModeler

In addition to the sessions and the workshops, one-on-one help with programmers is available for those of you desiring assistance with your installations of the HIS software.

See the HIS website for [more information](#).

Freshwater Advanced Aquatic Sensor Workshop: Sensors, Platforms and Data Management

Aquatic sensor technology is developing rapidly, yet mechanisms and opportunities for limnologists and field biologists to receive training in these new technologies are limited. This workshop will address critical aspects of the sensor lifecycle, including:

- Sensor selection, deployment and maintenance
- Data logger configuration
- Data telemetry and management
- Project team assembly
- Demonstrations of the latest aquatic sensor technology

The Workshop runs from September 11-13, 2011. **The deadline to apply is June 15th, 2011.**

Full information and application is available at umbs.lsa.umich.edu/research/aquatic-sensor-workshop.

Limited funds are available for travel and room/board costs of participants who register before the June 15, 2011 deadline.

Presented by Global Lake Ecological Observatory Network, Alliance for Coastal Technologies - Great Lakes Chapter.

Hosted by University of Michigan Biological Station

Participating Organizations: EARS IGERT Program, Great Lakes Observing System.

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