



CUAHSI

universities allied for water research

eNews Brief

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Upcoming Events

July 6-10, 2008

CMWR XVII International Conference,
San Francisco
• [Community Modeling Session](#)

July 14-16, 2008

CUAHSI Biennial Colloquium on
Hydrologic Science and Engineering

July 16-18, 2008

**HMF Hands-on Distributed
Sensing Workshop**

July 28-31, 2008

First Int'l Conference on Hydrogeology,
Penn State

August 6-14, 2008

33rd International Geological Congress;
Oslo, Norway

September 8-11, 2008

3rd Interagency Conference on Research
in the Watersheds; Estes Park, CO

August 11-14, 2009

33rd IAHR Congress; Vancouver, BC

Abstracts Due Dec 1, '08

For Your Information

CUAHSI Biennial Colloquium on Hydrologic Science and Engineering July 14-16, 2008 | Boulder, Colorado [[registration open](#)]

This first CUAHSI Colloquium, **Resilience & Vulnerability of Natural and Managed Hydrologic Systems**, features an exciting line-up of sessions and workshops.

Contributed papers are currently being solicited for sessions. The **abstract deadline is May 31, 2008**. Abstracts may be submitted during the registration process. Note that students from CUAHSI member institutions who present papers will have their registration fee refunded at the meeting.

Session Topics

- Theory of Hydrology
- Catchment Classification
- Cross-scale Perspectives on Nutrient Dynamics in River Networks
- Seasonal Snow Cover in Western Mountains
- Community Models for Hydrologic and Environmental Research
- Surface Processes, Sediments and Landscape
- Predictability of Hydrological Systems
- Hydrosystem Evolution and the Human Role
- Biogeochemistry and Ecohydrology in Complex Terrain
- Hydrologic Processes Related to Weather and Climate
- Integrated Observations for GW Transport Studies

Workshops

• Hydrologic Information Systems (HIS) Workshop - Wednesday, July 16 - 9:30am to 5:00pm

- This workshop introduces you to CUAHSI's Hydrologic Information Systems (HIS) component. In this workshop, you will learn about:
 - Scientific contributions of CUAHSI HIS
 - CUAHSI software to support HIS
 - How you can utilize HIS to publish and retrieve observations data

Materials presented in this workshop are [available online](#) at the 2008 AWRA Spring Specialty Conference Workshop Web site.

• HMF Hands-on Workshop Distributed Sensing: Taking it to the field - Wednesday, July 16 through Friday, July 18

- The workshop will immediately follow the CUAHSI Biennial Science Meeting. It will be a hands-on workshop exploring the current state of the art of distributed sensing for environmental observation. The workshop will include field installations, current practitioners, manufacturers, and scientists interested in including these methods in their research programs. The spaces in the workshop will be limited to 60 participants, with representation balanced between each of the categories. [[for more information & to register](#)]

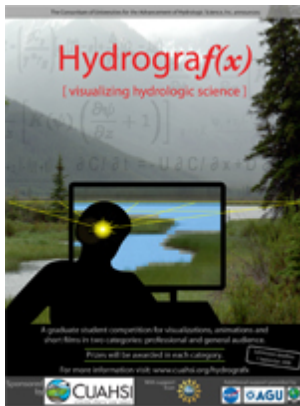
CUAHSI Hydrograf(x) Visualization Competition - For additional information, please visit the [Hydrograf\(x\) Web site](#)

Registration for the **Third Interagency Conference on Research in the Watersheds (ICRW): Planning for an Uncertain Future: Monitoring, Integration, and Adaptation** is now open. For more information please visit the ICRW Web site at www.hydrologicscience.org/icrw/.

Contact CUAHSI

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CUAHSI's Hydrograf(x) Visualization Competition Open



[download poster](#)

The goal of this competition, sponsored in part by the Consortium of Universities for the Advancement of Hydrologic Science, Inc. (CUAHSI), is to foster greater understanding and appreciation of hydrologic science. This competition also provides graduate students with an opportunity to present the results of their research endeavors in a non-traditional format as well as to audiences that they would not regularly reach.

This competition is open to full-time graduate students registered in a degree-granting program as of **1 May 2008**. The deadline date for submissions is **1 September 2008**. All individuals will be required to submit an entry form and a statement of verification

signed by their graduate advisor/mentor/ studies supervisor or equivalent affirming the individual graduate student's eligibility.

Posters will be sent to institution representatives for display in their Departments/ Universities. A full color [PDF version of the poster](#) (8.5x11) is available on the Web site. Anyone interested in receiving a full-size poster (18x24) can contact David Kirschtel at dkirschtel@cuahsi.org.

For additional information, please visit the [Hydrograf\(x\) Web site](#).

Third Interagency Conference on Research in the Watersheds (ICRW): Planning for an Uncertain Future: Monitoring, Integration, and Adaptation [\[registration open\]](#)

Hydrologic resources shift daily in response to changes in population, land use, and climate. CUAHSI is co-sponsoring the **Third Interagency Conference on Research in the Watersheds** (ICRW) to be held in Estes Park, Colorado on September 8-11, 2008 where scientists, water managers, and stakeholders will come together to present research and discuss how to best reach common goals during our uncertain future. In particular, adaptive management will be presented as an appropriate tool to leverage decision making, science, and monitoring to the benefit of all. The conference will have both oral and poster presentations from universities, government agencies, industry, and stakeholders. Field trips and activities are planned to acquaint participants with alpine and montane ecosystems, hydrology, geomorphology, and biogeochemistry.

Registration information can be found on the [ICRW Registration page](#).

Integrating Multiscale Observations of U.S. Waters

Hard copies of the NRC/Water Science and Technology Boards's report on Integrating Multiscale Observations of U.S. Waters, overseen by the Committee on Hydrologic Science, are now available. The National Research Council is very pleased with the final product. It's not an encyclopedia of everything that can be done by integrating spaceborne, airborne, and land-based measurements, but rather a document that paints a picture and lays out the challenges and some of the steps forward. A few of the recommendations may seem idealistic, but it's better to put them on the table than to fail to do so simply because they may seem difficult to achieve.

If you would like a copy, NRC would be pleased to send you one. Or, to just get the essence of the report, browse/download a 4-page summary of the report at http://dels.nas.edu/dels/rpt_briefs/integrated_h20_obs_final.pdf.

For additional information, you can contact William S. (Will) Logan, Ph.D., Senior Staff Officer, National Research Council at wlogan@nas.edu.

Peak Water: Aquifers and Rivers Are Running Dry. How Three Regions Are Coping

"One barrier to better management of water resources is simply lack of data where the water is, where it's going, how much is being used and for what purposes, how much might be saved by doing things differently. In this way, the water problem is largely an information problem. The information we can assemble has a huge bearing on how we cope with a world at peak water." Excerpted from Wired Magazine: 16.05

Read the entire article on [Wired's Website](#) or [read as a PDF](#).

K-12 Engineering Education Summary Report

The National Academy of Engineering & National Research Council are examining K-12 engineering education issues and seek input from all related stakeholders before issuing the final report and recommendations. Comments are due **May 15, 2008** and should be submitted to: K-12engineering@nae.edu.

Questions about the project or summary should be directed to Greg Pearson, gpearson@nae.edu. The final report is scheduled to be published in early 2009.

The summary can be viewed at www.nae.edu/K-12engineering.

In particular, the committee seeks answers to the following questions:

1. Has the project missed any curriculum projects that meet the criteria for inclusion (pp. 12-13) established by the committee?
 2. Are there any examples of in-service or pre-service teacher professional development in engineering that the committee should be aware of that were not discussed in one of the committee's two workshops (included in the appendix)?
 3. Are there instances of pre-college engineering education in other nations particularly India or China that are not described in this summary (p. 22)?
 4. Are there other areas of research not described in this report that would be helpful to the committee's effort to answer the project's guiding questions (p. 5)?
 5. Based on the information provided in this summary, does the idea of engineering as a catalyst for STEM education (p. 22-23) seem compelling? If not, why not?
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