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For Your Information

Travel Grants Available: CUAHSI HydroGeoPhysics Facility. For additional information see the [July eNews Brief](#).

CUAHSI Annual Membership Meeting, December 7, 2010 at 3:00pm ET

Fall AGU

CUAHSI Reception at Fall AGU: Tuesday, December 14th at the Grand Hyatt. Meeting at 6:30pm; reception follows until ~9:00pm.

Calendar of Events

October 11-13, 2010
[Hydrology Conference 2010](#) - San Diego, CA

October 25-26, 2010
[Water and Health: Where Science Meets Policy](#) - Chapel Hill, NC

October 27-31, 2010
[Society of American Foresters conference](#) - Albuquerque, NM

October 31-November 3, 2010
[2010 GSA Annual Meeting](#) - Denver, CO

December 6-8, 2010
[Global Catchment Initiative](#) - The Global Dimensions of Change in River Basins - University Club Bonn, Germany

December 13-17, 2010
[AGU Fall Meeting 2010](#), San Francisco, CA

- [session pages](#)
- CUAHSI Reception Dec 14,

CUAHSI Fall 2010 Cyberseminars Line-up

September 17, 2010; 3:00pm ET

- **John Pomeroy, University of Saskatchewan**
Title: To be announced soon

October 10, 2010; 3:00pm ET

- **Mark Green, Plymouth State University**
Title: Extracting characteristic hydrologic patterns from many catchments: the case of stream water total nitrogen to total phosphorus ratios

November 12, 2010; 3:00pm ET

- **Thorsten Wagener, Pennsylvania State University**
Title: To be announced soon

Hydrograf(x) Winners Receive Awards

Adam Ward, a PhD Candidate at The Pennsylvania State University and **Anthony Reisinger**, a PhD Student at Texas A&M University-Corpus Christi, College of Science and Technology received top honors in the CUAHSI 2009 Hydrograf(x) competition.

CUAHSI's Hydrograf(x) is a competition for short films in hydrology open to undergraduate and graduate students. This includes both pre-service and in-service K-12 educators doing continuing ed coursework to meet professional certification requirements. The goal of this competition was to foster greater understanding and appreciation of hydrologic science. This competition also provides you and your students with an opportunity to present principles of hydrology in a non-traditional format as well as a means to interact with audiences that would not regularly be reached through more formal means. Entries were judged—by an independent panel—in one of two categories: professional/technical and general audiences.

Adam's winning entry ("**Below the Flow: Imaging Solute Transport in the Hyporheic Zone**") can be viewed on Scivee.org at www.scivee.tv/node/14445.

Anthony's winning entry ("**The Dead Zone**") can also be viewed on Scivee.org at www.scivee.tv/node/14602.

Congratulations to both our winners . . . be sure to view their entries.

CUAHSI Biennial Symposium — A well-attended success

The second CUAHSI Biennial Science Meeting was held July 19-21 at the Center Green Campus of UCAR in Boulder, Colorado. The meeting theme was "**Water Across Interfaces**" and twenty-nine invited speakers participated in ten sessions. Fifty-two contributed posters were also presented during the meeting. Total attendance at the meeting was 160. In addition to the core scientific program, CUAHSI continued with the plenary lectures started at the previous meeting in 2008. For this meeting the keynote address was presented by **Chris Milly** (USGS); The "Reds" Wolman Lecture was given by **Gordon Grant** (USDA) and the Peter Eagleson Lecture was presented by **Ignacio Rodriguez-Iturbé** (Princeton). The meeting opened with a speech by Rep. **Grace Napolitano** (CA-38; Chair Subcommittee on Water and Power, House Natural Resources

'10 Grand Hyatt @ 6:30pm
([directions](#))
June 5-8, 2011
[International Ground-Water Modeling Center \(IGWMC\) — MODFLOW and More 2011](#) - Colorado School of Mines, Golden, CO
July 9-15, 2011
Gordon Research Conferences
[2011 Catchment Sciences](#) —
[Sentinels of Global Change](#) - Bates College, Lewiston, ME

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Committee).

An opening ice-breaker reception was held on Sunday evening for graduate students and the CUAHSI Board of Directors. A tour of the NCAR facilities was hosted by David Gochis (NCAR) and a professional development workshop was held by Jeff McDonnell (Oregon State). Using grant funding CUAHSI was able to provide small travel grants (\$500 travel reimbursements) to 21 graduate students presenting posters at the meeting.

The meeting also included two workshops on Water Data Services (Yoori Choi, CUAHSI; Jon Goodall, USC; Dan Ames, Idaho State; and Jeff Horsburgh, USU), Distributed Temperature Sensing Using Fiber Optics (John Selker, OSU and Scott Tyler, UNR); Data- and Model-Driven Geoinformatics Modules for Hydrology Education (Venkatesh Merwadi, Purdue and Ben Ruddell, ASU), Catchment Comparison (Jim McNamara, Boise State), Graduate Student Professional Development Workshop (Jeff McDonnell, OSU) and a Synthesis "Townhall" Meeting.

Witold Krajewski (Iowa) gave demonstrations, during the course of the meeting, of his mobile X-band radar system for high resolution measuring of precipitation.

Selected Sessions of Special Interest at Fall AGU 2010

- **H05: [Predicting Behavior of Freshwater Systems in a Changing Environment](#)**
[[see description](#)]
- **H20: [Measurements and modeling of storage dynamics across scales](#)**
[[see description](#)]
- **H39: [Uncertainty in Model Parameter Estimates and Impacts on Risk and Decision Making in the Subsurface](#)**
[[see description](#)]
- **H56: [Quantifying the ecohydrological effects of dam removal](#)**
[[see description](#)]
- **H64: [Data, Information Systems, Interoperability, Cloud Computing and Community Modeling in Hydrology](#)**
[[see description](#)]
- **H79: [Hydrologic Ensemble Forecasting Systems: Science and Applications](#)**
[[see description](#)]
- **B26: [Dissolved Organic Matter \(DOM\) Dynamics in Terrestrial and Aquatic Ecosystems](#)**
[[see description](#)]
- **B47: [Regional Biosphere-Atmosphere Interactions in Complex Terrain: Processes and Feedbacks among Nutrients, Water and Climate](#)**
[[see description](#)]
- **B68: [Novel Applications of Continuous Measurements in Freshwater Ecosystems](#)**
[[see description](#)]
- **IN09: [Use of Ontologies in Earth Science Informatics](#)**
[[see description](#)]
- **U12: [Regional Biosphere-Atmosphere Interactions in Complex Terrain: Processes and Feedbacks Among Nutrients, Water, and Climate. \(INVITED only. See B47.\)](#)**
[[see description](#)]

North American Stream Hydrographers (NASH) Workshop & Seminar

The first symposium and workshop on NASH—North American Stream Hydrographers—was

hosted by the Canadian Water Resources Association (CWRA) at their annual convention in June, 2010 in the city of Vancouver, Canada. The 26 presentations and posters on field methods; data production; data analysis; and data uncertainty provided for a community conversation on the current state of, and desired future for, the science of the measurement of water. The workshop discussion on developing a path forward and a governance model for this fledgling organization yielded a very simple mission statement: "To advance the science and practice of hydrometry".

NASH was conceived as a way of bringing researchers and practitioners together in a community of practice for advancing the science of hydrometry and for the development and communication of best practices that keeps pace with rapid advances in monitoring technology. The work of monitoring is carried out in conditions that vary from moderately challenging to absolutely perverse. Practitioners are faced with a need to make the activity of monitoring cheaper, safer, and more environmentally benign while improving the result of monitoring with information-rich, comprehensive, reliable, inter-comparable, and timely data products. The prudent practitioner wants to optimize these factors against a host of available and emerging techniques, technologies, and methodologies to find a solution that is most appropriate for local conditions.

A NASH web site is being set up as a focus for communication. A special issue of the Canadian Water Resources Journal titled "Hydrometry in a Changing World" will be published once a peer review is completed on the contributions to the "science of the measurement of water including the methods, techniques and instrumentation used" made during the symposium. The next meeting of NASH will be by teleconference in September, 2010. A 2nd NASH symposium is being planned to be held at the CWRA national convention in St. John's, Newfoundland in June, 2011.
