

THE CURRENT

An E-Newsletter of the CSU Water Center



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Feature

Recipients of CSU Water Center Special Grants

The CSU Water Center sent out a Request for Proposals in October 2013. Submitted proposals fell into three categories: Multi-investigative teams, Multi-disciplinary teams (seed grants), and Water Fellows. The number and quality of the proposals submitted is indicative of the strength of water-related research taking place at CSU. Watch for the upcoming Water Center RFP in March 2014.

Multi-investigative teams:

- Michael Gooseff, Thomas Borch, and Jens Blotevogel – “Exploring the Water-Energy Nexus at CSU: Hydrologic Fate and Transport of Chemicals Used in Oil & Gas Development”
- Ed Hall, Claudia Boot, Francesca Cotrufo, and Peter Nelson – “Developing scholarly excellence across the aquatic-terrestrial interface: Understanding the hydro-bio-geo-chemistry of extreme events”
- Sybil Sharvelle, Christopher Goemans, and Christopher Olson – “Evaluation of Urban Nutrient Loading and Recommendations for Cost Effective Treatment Technologies”

Multi-disciplinary seed grants:

- Patrick Byrne, Mary Stromberger, Matt Wallenstein, Dan Manter, and Tiffany Weir – “Drought Stress Adaptation in Winter Wheat through Soil Microbial Interactions and Root Architecture”
- Sheryl Magzamen, Thomas Borch, Joshua Schaeffer, Stephen Reynolds, Robert Young, Maggie Davidson, and Bledar Bisha – “Characterizing Biological Pollutants in Agricultural Runoff at Colorado Dairies”

Water Fellows:

- Ashley Anderson – “Floods, communication, and climate change: Exploring the role of media use and interpersonal discussion in connecting water-related extreme weather events to perceptions about climate change”
- Dale Manning – “Storage, Markets, and the Inter-Temporal Allocation of Colorado Water”

Department Announcements

CSU Online Plus

MOOC: Water, Civilization, and Nature: Addressing Water Challenges of the 21st Century

Recent water issues, increasing populations worldwide, and variations in climate have impacted our water supply, creating questions and issues we've never been challenged with before. This free online course, popularly known as a MOOC or massive open online course, offers an in-depth look at these issues guided by Colorado State University, a leader in water science and studies. Registration is open as of November 4. The course will run from January 27, 2014, to March 23, 2014. Enrollment is not limited to CSU students.

For more information, click [here](#).

Upcoming Events

Water Webinar: New Tools for Teaching Youth About Water: "Watershed Decisions" activity and the "Role of Water in Shale Gas Drilling" videos

Wednesday, November 20, 2013 | 12:00 noon-1:00 pm

This event is part of a series of water webinars from Penn State University's Water Resources Extension. All are welcome to participate.

Click [here](#) for more information. Go to [this website](#) for a complete list of PSU water-related webinars.

"A 'Natural' Disaster? The Impact of Drought on Farming Communities in Southwest Kansas"

Thursday, November 21, 2013 | 12:00 noon-1:00 pm | Clark Building, Room B-252

This lecture, presented by Dr. Elke Weesjes, examines the impact of the 2010-2013 drought on farming communities in Southwest Kansas. Dr. Weesjes' research documents daily life under harsh environmental conditions and explores how these communities cope with the devastating effects of drought.

See attached flyer for more information.

Bands Without Borders – Benefit Concert for La Criba, El Salvador

Thursday, November 21, 2013 | 7:00-11:00 pm | Avogadro's Number | 605 S. Mason St.

The CSU student chapter of Engineers Without Borders is having a benefit concert to raise money for their water project in the community of La Criba, El Salvador. The group has previously installed a well and a pump and is now working on plans for a distribution system. The concert will feature several local bands and there will be a drawing for prizes.

Cost: \$5 cover charge (includes raffle ticket)

Student Poster Presentations at IECA Conference

December 4, 2013 | Denver, CO

The Mountain States Chapter of the International Erosion Control Association would like to get CSU students involved in the annual professional winter conference on December 4, 2013 in Denver. They would like to have CSU students submit and present their posters during the lunch hour. They are interested in a wide range of topics from construction projects, storm water management, stream and wetland restoration, water quality, flooding, regulation updates, revegetation, post-fire projects, and many more.

See attached flyer for more details. For questions or to submit posters: Contact Andrea Borkenhagen at CSU (Andrea.Borkenhagen@colostate.edu).

Wildlife and Flood Recovery Managers

Wednesday, December 4, 2013 | 6:00-7:30 pm | Lory Student Center Theatre

The Department of Forest and Rangeland Stewardship presents a panel of recovery managers as they speak about their experiences as natural resources professionals. They will discuss ongoing recovery efforts in each of their communities, key lessons learned from each unique disaster, and more. This event is free and open to the public.

Grants & Fellowships

2013 Joint Fire Science Program (JFSP) Funding Opportunities

Application Deadline: November 22, 2013

The Joint Fire Science Program has a number of funding opportunities for various research topics, including the effects of wildfire on water.

To view the full funding announcements, click [here](#).

University of Idaho IGERT PhD Program

Application Deadline: December 15, 2013

The University of Idaho is looking for Master's students or exceptional bachelor's students to participate in its five-year IGERT Program with the theme of "Adaptation to change in water resources: science to inform decision-making across disciplines, cultures and scales."

For more information, click [here](#).

EPA Urban Waters Small Grant RFP

Application Deadline: December 16, 2013

The U.S. Environmental Protection Agency (EPA) is soliciting proposals from eligible applicants for projects that will advance EPA's water quality and environmental justice goals. Projects proposed for funding must take place entirely within and focus on one of 18 specific Eligible Geographic Areas.

Click [here](#) for more information.

EPA - P3 Student Design Competition

Application Deadline: December 17, 2013

The U.S. Environmental Protection Agency (EPA), as part of the P3-People, Prosperity and the Planet Award Program, is seeking applications proposing to research, develop, and design solutions to real world challenges involving the overall sustainability of human society.

For more information, click [here](#).

Royal Bank of Canada Blue Water Project

Application Deadlines: Dec. 20, 2013 (Leadership), Feb. 3, 2014 (Community action)

In 2013-2014, the RBC Blue Water Project will focus on supporting initiatives that help protect and preserve water in towns, cities and urbanized areas with populations of more than 10,000 people that focus on improved control and management of urban storm or rain water, efficient and innovative use (or capture and reuse) of water in towns and cities, protection and restoration of urban waterways, and/or improved urban water quality.

For more information, click [here](#).

Graduate Position in Water Quality (Louisiana State University)

Dr Y. Jun Xu is seeking an outstanding student to pursue an MS or a PhD in watershed sciences. The research will assess transfer and environmental fate of nutrients and metals released to coastal rivers and estuaries. Must have a background in water quality or similar (hydrology, soil science, environmental toxicology, etc.). Start date is expected to be spring semester 2014.

Interested students should send an email describing their motivation and research interests, along with a resume, unofficial college transcript, GRE scores, and three references to yjxu@lsu.edu.

WaterSMART Funding Available for Title XVI Water Reclamation and Reuse Projects

Application Deadline: January 7, 2014

The Bureau of Reclamation is inviting sponsors of congressionally authorized Title XVI projects to request cost-shared funding for planning, design or construction through the Title XVI Water Reclamation and Reuse Program funding opportunity.

Click [here](#) for more information.

Nonpoint Source Funding Cycle Application

Application Deadline: January 8, 2014

The NPS Program is looking for projects that will help achieve its two overarching objectives: restore water bodies not meeting water quality standards by addressing nonpoint source water quality impacts; and protect existing water quality from future nonpoint source pollution.

Follow [this link](#) and click “2014 NPS Funding Announcement” to download the detailed guidelines.

Scholarships

AWWA Scholarships

Application deadline: January 6, 2014

The AWWA is sponsoring various scholarships for undergraduate and graduate students.

Click [here](#) to download the application and scholarship descriptions.

Environmental Engineers of the Future - Master's Degree Funding

Application deadline: January 6, 2014

This program provides funding for students interested in pursuing a Master of Science in Environmental Engineering. Upon graduation the student must sign a two-year contract with one of the employers specified by the program.

For more information, click [here](#). To see the list of required CSU classes, click [here](#).

Employment

Student Position – Stormwater Research Assistant

The Urban Water Center in the Civil and Environmental Engineering Department is seeking candidates for assisting with stormwater research projects starting in January 2014. The positions are open to graduate and upper-level undergraduate students. Expected duties will include a variety of tasks including field work, design, data management/analysis and modeling of urban stormwater systems in the Fort Collins and Denver metro regions.

Interested students should email Chris Olson (colson23@engr.colostate.edu) with a brief description of their interest and current resume.

Water and Energy Corpsmember

Application Deadline: November 30, 2013

Larimer County Conservation Corps (LCCC) has eight seasonal positions for Larimer County residents, ages 18-24, to support the local environment and community. Corpsmembers work in teams to install energy efficiency measures and conduct home assessments throughout Larimer County, targeting low-income households. Corpsmembers will also provide water and energy conservation education designed to inform residents on water and energy consumption and preventative measures.

Students: Search this position on CareerRAM, Job ID 103166.

Getches-Wilkinson Program Coordinator (University of Colorado - Boulder)

The Getches-Wilkinson Center for Natural Resources, Energy and the Environment seeks a Program Coordinator to support the Executive Director's fundraising and external relations efforts and will coordinate the day-to-day administrative and operational functions of the Center as overseen by the Executive Director.

Position is open until filled. Click [here](#) for more information.

GIS Specialist

Application Deadline: December 6, 2013

The City of Loveland's Water and Power Department seeks a technician to maintain and support their Geographic Information System.

For more information, click [here](#).

Environmental GIS Technician

Stantec is hiring an Environmental GIS Technician. The position can be located in Salt Lake City, UT or Fort Collins, CO. Candidates possessing a strong background in geology, hydrogeology and/or water resources highly preferred.

For Fort Collins, click [here](#). For Salt Lake City, click [here](#).

Data Scientist

Digital H2O is seeking a data scientist to build water logistics decision models. A background in Environmental Engineering or Hydrology is preferred.

For more information, see the attached flyer.

Water Outreach & Awareness

World Toilet Day

World Toilet Day is November 19! This international day of action aims to break the taboo around toilets and draw attention to the global sanitation challenge.

For information, ideas, or to join in, see www.worldtoiletday.org

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