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THE CURRENT

An eNewsletter of the CSU Water Center

Colorado
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FEATURE

Water Center and Confucius Institute Join CSU Delegation to China



Fishermen at work in eutrophic Lake Erhai. (Photo courtesy of Glenn Patterson.)

In recent years, CSU and its partner universities in China have been working toward closer collaboration on water issues. A significant step forward occurred in September 2014 when a CSU delegation visited several Chinese partner universities to open two new joint research centers, participate in three joint symposia, visit field sites pertaining to water issues, and discuss opportunities for collaboration and exchanges.

CSU faculty members John Moore, Steven Fassnacht, Lee MacDonald, Wei Gao, Ed Hall and Glenn Patterson joined Water Center chair Reagan Waskom and Vice President for Engagement Lou Swanson on the trip, which was led by Jim Cooney, Vice Provost for International Affairs. The CSU delegation represented the Confucius Institute at CSU and its Water and Environmental Sustainability program component, the Department of Ecosystem Sciences and Sustainability, the Natural Resources Ecology Lab, the Watershed Science Program, and the Colorado Stormwater Center.

The CSU team looks forward to additional research collaborations, student and faculty exchanges, and other joint activities with our Chinese colleagues.

To read more about the visit to China, click [here](#).

HIGHLIGHTS

Managing the Planet Panel - "A Wicked Problem - Challenges of the water and climate nexus for a sustainable future"

October 15, 2014 | 5:00-6:30 pm | Avogadro's Number

Panelists will discuss how a changing climate can influence the availability and quality of our planet's finite water resources - for humans, the natural and built environments, and for growing our food, fiber and fuel. With an anticipated increase of pressure on our global water resources, there is little doubt that future generations will face similar and even more complex issues concerning climate change and its impacts on water unless we respond to today's issues in a sustainable manner. To build on this continuing conversation, the panel will put forward the key questions and potential solutions for consideration, discussion, and action.

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

GRAD 592 Interdisciplinary Water Resources Seminar

The Fall 2014 Theme for this seminar series is *Water, Climate & Extreme Events*. Students interested in taking the one-credit seminar should sign up for GRAD592, Water Resources Seminar, Section ID Number: 74006. The seminar will be held at 4:00 pm on Monday afternoons in Engineering E104. Students who have enrolled in GRAD592 in the past may also enroll for this offering.

For more information click [here](#).

Center for Collaborative Conservation Fall 2014 Seminar Discussion Series

This fall semester's bi-weekly Seminar Series focuses on the Poudre River and its watershed, its ecological needs, and how it is used to supply water for agriculture and urban needs. All

seminars are held Tuesdays at 12:30-1:30 pm in LSC 372-374 unless otherwise noted. This series is brown bag and open to the public. Please feel free to bring your lunch.

For more information and to see the seminar schedule, click [here](#).

UPCOMING EVENTS

Call for Abstracts - World Environmental and Water Resources Conference 2015

Student Competition Submission Deadline: Oct 10, 2014

This year's theme is "Floods, Droughts, and Ecosystems: Managing our Resources Despite Growing Demand and Diminishing Funds."

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

2014 Water and Health Conference

Conference Dates: Oct 13-17, 2014 | Chapel Hill, NC

The 2014 Water and Health Conference: Where Science Meets Policy, organized by The Water Institute at UNC, considers drinking water supply, sanitation, hygiene and water resources in both the developing and developed worlds with a strong public health emphasis.

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

Water Efficiency Workshop for Colorado Plumbing

October 15, 2014 | 8:00 am-12:30 pm | Rocky Mountain Innosphere | 320 E. Vine Dr.

This half-day workshop is an opportunity to learn about the latest building practices, technology and regulations that promote water-efficient plumbing.

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

Water for Food Global Conference

October 19-22, 2014 | Seattle, WA

The conference, hosted by the Robert B. Daugherty Water for Food Institute at the University of Nebraska in association with the Bill & Melinda Gates Foundation, will bring together experts

from around the world to explore how the data revolution can help address the pressing need for global water and food security. The conference will focus specifically on how data can improve the productivity and sustainability of small and large farmers.

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

Colorado WaterWise 6th Annual Conservation Summit

October 24, 2014 | 2105 Decatur St. | Denver, CO

Come out and hear the latest news on water and water conservation efforts underway in Colorado. Event includes a presentation on the Colorado Water Plan and a panel about Basin Implementation Plans, among other sessions.

Click [here](#) for more information and to register.

AWRA Colorado and Metro State University Resume Rush

October 28, 2014 | 5:30 pm | Breckenridge Brewery | 2220 Blake St. | Denver, CO

Bring your resume to receive one-on-one advice from water resources professionals. Students will also participate in small table discussions with professionals regarding jobs, key classes, interviewing, resumes, etc.

Click [here](#) for more information. Don't forget to RSVP!

2014 AWRA Annual Water Resources Conference

November 3-6, 2014 | Tysons Corner, VA

This year's conference theme is: "50 Years of Water Resources Management: Where Have We Been, Where Are We Going?" This conference provides a unique opportunity for water resource professionals to gather and reflect on the history of water management over the past 50 years and to see the latest work on the policy and science of water management that will help shape the future.

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

2014 Upper Colorado River Basin Water Forum

November 5-6, 2014 | Colorado Mesa University | Grand Junction, CO

The 2014 conference, hosted by the Water Center at Colorado Mesa University, will create a

forum for wide-ranging discussion looking toward a resilient water future in the Upper Colorado River Basin. Important issues for the conference include a growing population, shifting water needs, environmental issues and climatic changes.

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

Call for Abstracts - Water History Conference in the Netherlands

Abstract Submission Deadline: Nov 15, 2014 | Conference Dates: June 24-26, 2015

The International Water History Association seeks abstracts for individual papers and proposals for complete sessions for the 2015 Water History Conference in Delft, the Netherlands. There are no predefined topics; a broad range of subjects will be accepted as long as they are related to water and are historical.

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

AWWA Water Quality Technology Conference

Conference Dates: November 16-20, 2014 | New Orleans, LA

This conference provides a practical forum for a wide range of water professionals to exchange the latest research and information.

Click [here](#) for more information and to register.

2nd International Ocean Research Conference

November 17-21, 2014 | Barcelona, Spain

The 2nd International Ocean Research Conference is an opportunity for the scientific community to come together to plan the coming decade of international collaboration in marine science and technology, with a view to improving ocean governance. The theme is "One Planet, One Ocean."

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

ASCE-EWRI Low Impact Development Conference 2015

Conference Dates: January 19-21, 2015 | Houston, TX

The LID Conference will highlight new and continuing work including research developments and community adoption of LID throughout the United States and internationally. In addition, this conference will focus on the application of LID technology in the Southwest region of the US and will also include a mini-symposium on arid region LID.

Click [here](#) for more information and to register.

Colorado Water Congress Annual Convention

January 28-30, 2015 | Denver, CO | Hyatt Denver Tech Center

Save the date for the 2015 Colorado Water Congress Annual Convention. With over 500 attendees, this is the largest water conference in Colorado and an excellent place to discuss the most pertinent water issues of the day. Registration opens October 1, 2014.

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

Call for Papers - 3rd International Conference on Water and Society

Conference Dates: July 15-17, 2015 | A Coruña, Spain

This meeting will encourage trans-disciplinary communication on issues related to the nature of water, and its use and exploitation by society. The conference is motivated by the need to bridge the gap between the broad spectrum of socio-political sciences and humanistic disciplines and specialists in physical sciences, biology, environmental sciences and health, among others.

Click [here](#) for more information.

GRANTS & FELLOWSHIPS

CUAHSI Pathfinder Fellowship Program

Application Deadline: October 17, 2014

The CUAHSI Pathfinder Fellowship program provides travel funds to graduate students in water science to make an extended trip to conduct and enhance their research.

Click [here](#) for more information.

RFP - White Paper on Water Reuse in Hydraulic Fracturing

Closing Date: October 27, 2014

Project objective: Identify the current status and future trends for water reuse in oil and gas hydraulic fracturing operations. The final report will evaluate treatment technologies, costs of reuse as a limiting factor to its implementation, and regulatory trends both promoting and impeding reuse.

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

RFP - Establishing Pathogen Log Reduction Credits for WWTPs

Closing Date: November 5, 2014

Project objectives: Obtain a more accurate picture of the microbial treatment requirements by addressing the concentration of pathogens in raw wastewater and secondary effluent; provide data relevant to the protection of public health in a Direct Potable Reuse scenario; establish removal credit for biological treatment provided in the treatment train for protozoa, bacteria, and viruses; determine validity of pathogen log-removal requirements identified for WWTPs by the Division of Drinking Water.

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

RFP - Performance and Cost Review of Existing Desalination Plants Which Use Conventional and Membrane Pretreatment Processes Prior to Reverse Osmosis

Closing Date: November 5, 2014

Project objectives: Provide utilities with information on key criteria that can assist during the planning phase for membrane desalination plants; provide a process selection decision matrix which optimizes capital and operating costs against performance and regulatory requirements.

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

Environmental Justice Small Grants Program

Closing Date: December 15, 2014

The Environmental Justice Small Grants (EJSG) Program provides funding for eligible applicants for projects that address local environmental and public health issues within an affected community.

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

12th Annual P3 Awards: A National Student Design Competition for Sustainability Focusing on People, Prosperity, and the Planet

Closing Date: December 16, 2014

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.

Click [here](#) for more information.

EMPLOYMENT AND VOLUNTEER OPPORTUNITIES

Future Earth Executive Director

Application Deadline: October 13, 2014

The Executive Director will head a new globally distributed secretariat, recently announced following an open competition by the Alliance, and will work closely with the scientific community, stakeholders, and members of the Future Earth governance structure.

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

Water Resources Engineer

Application Deadline: October 31, 2014

Precision Water Resources Engineering (PWRE) in Loveland, CO has an opening for a full-time Water Resources Engineer with good software and programming experience.

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

PhD Opportunity in Tropical Hillslope Hydrology and Biogeochemistry

Dr. Holly Barnard at the University of Colorado - Boulder and Dr. Bob Stallard (USGS - Boulder) are seeking a PhD student interested in forest hydrology and biogeochemistry. The research project is focused on examining land-use change effects on preferential flow path creation, sustainment, and connection to the land surface with the goal of predicting hydrologic behavior, runoff production, and water provisioning in Panama.

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

Research Assistant Professor or Research Associate Professor

The Water Institute of the University of North Carolina-Chapel Hill wishes to recruit a Research Assistant Professor or Research Associate Professor. The successful candidate will serve as Director for Research of the Water Institute at UNC.

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

Natural Resources Analyst - Cheyenne, WY

Supports the State Engineer's Office in management of the groundwater resources of the State of Wyoming, primarily through the processing of water right applications and conducting field inspections of those water rights.

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

SCHOLARSHIPS

2014-2015 CASFM Scholarships

Application Deadline: October 16, 2014

The Colorado Association of Stormwater and Floodplain Managers has two scholarships available: the Ben Urbonas Scholarship for graduate students and the CASFM Family Scholarship for children of CASFM members.

Click [here](#) for the Urbonas Scholarship application. Click [here](#) for the Family Scholarship application. For additional information and past recipients, click [here](#).

Abel Wolman Fellowship (AWWA)

Application Deadline: January 6, 2015

The Abel Wolman Fellowship is designed to support promising students in the U.S., Canada, and Mexico pursuing advanced training and research in the field of water supply and treatment.

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

2015 AWWA Scholarships

Application Deadline: January 6, 2015

The American Water Works Association has many scholarships available for undergraduate and graduate students.

Click [here](#) to download the scholarship application. Click [here](#) for the scholarship webpage.

MISCELLANEOUS

"Water in the Desert: The Grand Valley and its Rivers"

This documentary from the Water Center at Colorado Mesa University explores the community's relationship to its water resources through the history of water development, current usage and future challenges as it applies not only locally, but also in a regional context.

Click [here](#) to watch the documentary.

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