

Issue LI - December 6, 2016

THE CURRENT

AN ENEWSLETTER OF THE CSU WATER CENTER

Colorado State University



FEATURE

Water Center Holiday Open House

**Johnson Hall
HOLIDAY OPEN HOUSE!**

December 9, 2016 | 3:00-5:00 pm | Johnson Hall First Floor

The School of Global Environmental Sustainability, CSU Water Center, One Health Institute, Graduate Degree Program in Ecology, and Future Earth cordially invite you to join us for a holiday celebration with good company, conversation, tasty food and refreshments. Please feel free to bring guests and no RSVP is required. Click [here](#) to view the event poster.

The CSU Water Center would like to wish all of our subscribers a happy and safe holiday season. E-newsletters will resume in mid-January when classes begin at CSU.

HIGHLIGHTS

Students Graduate with Water Minor at Fall Commencement

Congratulations to Rachel Funke, majoring in ecosystem science and sustainability, and Kyle Brandon, majoring in natural resources management, on their upcoming graduation from CSU and completion of the [Sustainable Water Interdisciplinary Minor](#) (SWIM). Rachel has plans to pursue a career in environmental consulting and Kyle will be attending law school. Congrats! We are very proud of you and we are pleased you have joined the water community!



Four States Irrigation Council Annual Meeting

January 11-13, 2017 | Hilton | Fort Collins, CO

This event will feature many different sessions, including speakers from CSU as well as a tour of the CSU Hydraulics Laboratory. Register by December 21.

Click [here](#) for more information.



Call for Abstracts - UCOWR/NIWR Annual Conference

Submission Deadline: January 20, 2017 | Conference Dates: June 13-15, 2017

The theme of this conference is "Water in a Changing Environment." Gaps in projected water supply and demand, water quality and reuse issues, increased food and energy needs, and a changing climate bring water resources to center stage, not only in the Western U.S., but across the continent and around the world. The conference will seek to develop trans-disciplinary and disciplinary solutions to complex water problems and explore bridges between science and policy.

The CSU Water Center and the Colorado Water Institute will be offering a limited number of waived registrations for students who present a paper at the conference. Students must be enrolled in one of Colorado's institutions of higher education. Please email Melissa Pind at ucowr@siu.edu for more information.

Click [here](#) for more information about the conference.

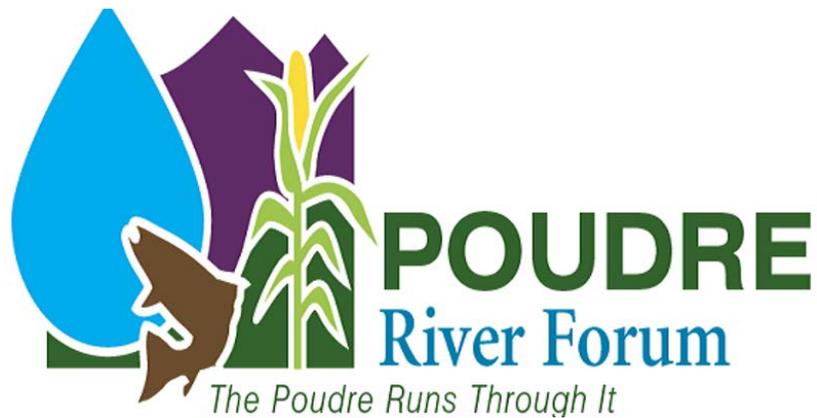


4th Annual Poudre River Forum

February 3, 2017 | Greeley, CO

This annual celebration of the Poudre River convenes the wide diversity of those who care about the river to learn more about it and collaborate on the goal of a healthy, working river. The CSU Water Center will sponsor a limited number of student registrations.

Click [here](#) for more information.



LOCAL AND REGIONAL EVENTS

Lecture: "The Roles and Impacts of Large Dams As Instruments of Development Around the World"

December 8, 2016 | 12:30 - 1:30 pm | CU-Boulder Institute of Behavioral Science, Rm 155B

Given that millions of persons are displaced annually by dams and other infrastructure investments with inadequate or no resettlement arrangements, these impacts loom as major social issues. The presentation will highlight several case studies of the impacts of large dams. This lecture will be presented by Dr. Charles "Chuck" Howe, professor emeritus of economics at the University of Colorado.

Click [here](#) for more information.

Legal Ethics in Water & Environmental Law - Workshop and Webinar

December 20, 2016 | 8:00 am - 12:00 pm | 1580 Logan St. Suite 700 | Denver, CO

This Colorado Water Congress workshop focuses upon everything from disciplinary issues to ethical principles. The workshop concludes with hypothetical ethical problems discussion.

Click [here](#) for more information.

Colorado Water Congress Annual Convention

January 25-27, 2017 | Hyatt Regency Denver Tech Center | Denver, CO

The Colorado Water Congress Annual Convention is the premier water industry event in the state, attracting 500+ attendees that convene for networking and collaboration on the important water issues of the day. The CSU Water Tables event will be held in conjunction with this convention. See "Scholarships" section below for information about scholarships to attend the convention.

Click [here](#) for more information.

Water Tables 2017

January 26, 2017 | Hyatt Regency Denver Tech Center | Denver, CO

This year's theme is "Refilling the Leadership Reservoir." Western water issues have long benefited from bold leaders taking great risks, bringing forth innovative solutions, and committing to creative collaborations. Ongoing political, environmental, and educational challenges require a steady flow of able individuals to keep the leadership reservoir topped off. Join the CSU Morgan Library Water Resources Archive for an evening of stimulating dinner conversation led by established and emerging water professionals widely recognized for their excellent leadership qualities. This event is held in conjunction with the Colorado Water Congress Annual Convention.

Click [here](#) for more information.

Annual Tamarisk Coalition Conference

February 7-9, 2017 | Hilton | Fort Collins, CO

Featuring a keynote presentation from Clint Evans, State Conservationist with the USDA Natural Resources Conservation Service, the conference will expand upon last year's topics with the theme: "The Future is Now: Forward-Thinking Restoration, Planning, and Adaptation."

Click [here](#) for more information.

Governor's Forum on Colorado Agriculture

February 22, 2017 | Denver, CO

This innovative and informative program will bring together producers, consumers, experts and other ag stakeholders to peel back the polarizing rhetoric often found in today's society. The Forum will focus on the powerful history of collaboration and cooperation that has made agriculture in the state of Colorado the second largest driver of our economy.

Click [here](#) for more information.

NATIONAL AND INTERNATIONAL EVENTS

77th Midwest Fish & Wildlife Conference

February 5-8, 2017 | Lincoln, NE

This annual event will attract over 800 biologists and students from state, federal, and tribal natural resources agencies from the Midwest, Great Plains, Rocky Mountains and Canadian

provinces. Highlights include: over 400 technical presentations, poster displays, plenary sessions, networking opportunities and social events.

Click [here](#) for more information.

AWWA/WEF Young Professionals Summit

February 6-7, 2017 | Tampa, FL

The Young Professionals Summit is the premier water and wastewater industry professional development workshop for young professionals. Participants can attend the Utility Management Conference (Feb. 7-10) at a discounted rate.

Click [here](#) for more information.

Utility Management Conference

February 7-10, 2017 | Tampa, FL

Utility managers and executives, public works directors, human resource professionals and many others attend the Utility Management Conference to share their experiences and learn from others in similar situations as they respond to the most pressing management issues of the day.

Click [here](#) for more information.

Membrane Technology Conference & Exposition

February 13-17, 2017 | Long Beach, CA

Join AWWA and AMTA to explore how the latest developments in membrane technology can enhance water reliability and quality. Each year the conference reveals new directions in water and wastewater treatment technologies, desalting, and membrane bioreactor applications.

Click [here](#) for more information.

Call for Abstracts - 4th International Conference on Water and Society

Conference Dates: June 5-7, 2017 | Seville, 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 social political sciences and humanistic disciplines and specialists in physical sciences, biology, environmental sciences and health, among others.

Click [here](#) for more information.

GRANTS AND FELLOWSHIPS

FY17 Student Water Research Grant Program

Application Deadline: December 21, 2016

This program is intended to encourage and support graduate and undergraduate student research in disciplines relevant to water resources issues and to assist Colorado institutions of higher education in developing student research expertise and capabilities. Students must be enrolled full-time in a degree program at one of Colorado's public 4 year universities. Proposals must have a faculty sponsor from the applicant's institution.

Click [here](#) for more information.

P3 Awards: A National Student Design Competition for Sustainability

Closing Date: February 3, 2017

As part of its People, Prosperity and the Planet (P3) Award Program, the U.S. EPA is seeking applications proposing to research, develop, and design solutions to real world challenges involving sustainability. The P3 Award Program was developed to foster progress toward sustainability by achieving the mutual goals of improved quality of life, economic prosperity and protection of the planet.

Click [here](#) for more information.

USAID - India Partnerships Program

Closing Date: March 31, 2017

The India Partnerships Program supports testing, adoption and scaling of creative or innovative solutions to meet development challenges in the areas of health, food security, clean energy, gender equality, female empowerment, maternal and child health, prevention and treatment of infectious diseases, affordable health care, water and sanitation access, early grade reading, promotion of clean and renewable energy, forestry, food security, triangular cooperation, gender and financial inclusion.

Click [here](#) for more information.

NSF - Hydrologic Sciences

Proposals accepted anytime.

The Hydrologic Sciences Program focuses on the fluxes of water in the environment that constitute the water cycle as well as the mass and energy transport function of the water cycle. The Program supports the study of processes from rainfall to runoff to infiltration and streamflow; evaporation and transpiration; the flow of water in soils and aquifers; and the transport of suspended, dissolved, and colloidal components.

Click [here](#) for more information.

Colorado Watershed Assembly List of Funding Opportunities

The Colorado Watershed Assembly maintains a list of governmental and non-government funding sources for restoration projects and organizational capacity building.

Click [here](#) for more information.

EMPLOYMENT OPPORTUNITIES

Physical Science Researcher/Scientist II - CWCB

Application Deadline: December 9, 2016

This position utilizes Colorado's Decision Support System and its components (e.g., HydroBase, data management interfaces (DMIs) and numerical models) in water resource analyses. The position performs duties related to interstate water issues by planning, organizing and performing appropriate hydrologic, hydraulic, water rights and other studies and investigations to support, modify or refute stated conclusions or recommendations made by other water users concerning state water policy.

Click [here](#) for more information.

Water Quality Control Commission

Application Deadline: December 15, 2016

Are you interested in becoming a member of the Water Quality Control Commission? A few member terms are expiring. Anyone interested in applying for a WQCC seat should submit an application and resume by Dec. 15 to the Governor's Office of Boards and Commissions.

Application forms are available [here](#).

Water Resources Analyst - City of Thornton

Application Deadline: January 6, 2017

Responsible for the collection, compilation and interpretation of technical data through field and office research, and the examination and interpretation of water rights and property rights records, Water Court decrees and stipulations; develops and maintains accurate accounting of all municipal water use and storage.

Click [here](#) for more information.

Assistant Professor in Water Quality - Colorado State University

Application Deadline: January 9, 2017

The Department of Ecosystem Science and Sustainability is seeking an Assistant Professor in Water Quality. We seek applications from candidates who have expertise in water quality laboratory analyses, field sampling techniques, water quality regulations, and the effects of land use and land management on water quality.

Click [here](#) for the complete job requirements.

Executive Director - Colorado Foundation for Water Education

The Executive Director is responsible for strategic direction and overall leadership of the organization. S/he will serve as the public face of the organization and work to collaboratively advance the mission. The Executive Director will guide all programs and lead all fundraising activities.

Click [here](#) for more information.

Student Jobs and Internships

The CSU Water Center maintains a job board of student positions located in Colorado. Many subject areas are featured through this service including: ecology, economics, engineering, fish and wildlife, natural resources, and the social and natural sciences.

Click [here](#) to explore the job board.

SCHOLARSHIPS

POND Scholarships Available for Colorado Water Congress Annual Convention

Application Deadline: December 11, 2016

Two scholarships will be awarded, one for an emerging professional and one for a student. The scholarship will cover conference registration and lodging.

Click [here](#) for more information.

North American Weather Modification Council (NAWMC) Scholarship

Application Deadline: February 22, 2017

Students interested in the field of weather modification and studying science or engineering at an accredited institution are eligible to apply for this scholarship. In addition to the \$2,000 cash

award, the successful applicant is eligible for travel reimbursement to attend a meeting of the NAWMC during the award year.

Click [here](#) for more information.

EDUCATION

Colorado Water Leaders Program

Application Opens December 1, 2016

CFWE's Water Leaders program provides training in conflict resolution, communication and management to participants across Colorado, helping them become more effective leaders. Program participants benefit from extensive self-assessment, executive coaching, networking opportunities and application of learning to water issues statewide. Water Leaders is open to mid-level professionals in Colorado with a demonstrated commitment to water resources and career development.

Click [here](#) for more information.

Distinguished Ecologist Seminar Series

The Distinguished Ecologist Series brings internationally-known scientists to CSU for two days to present their cutting-edge research and to interact with students and faculty in a number of formal and informal settings. The seminars are hosted by CSU's Graduate Degree Program in Ecology (GDPE).

Click [here](#) for more information.

Marine Ecotourism Summer Course

Application Deadline: February 15, 2017

While living aboard a 57-foot Sailing Vessel you will explore key issues in the sustainable development of marine ecotourism in the Abaco Islands near Marsh Harbor, Bahamas. Learn about coral reef ecology and local Bahamian cultures and their interactions with the sea, nature conservation and tourism development.

Click [here](#) for more information.

The GREEN Program Study Abroad in Peru: Water Resource Management and Sustainable Practices

This program explores Peru's historical technologies for water initiatives and resource management and allows participants to dive into Peruvian culture and education. Focused on community and engagement, students participate in developing sustainable implementations with

a local elementary school, go on adventure excursions, and build global awareness. Peru is the ideal destination for students passionate about the mission toward global water stewardship and sustainability solutions.

Click [here](#) for more information.

Sustainable Water Interdisciplinary Minor (SWIM)

The purpose of this minor is to offer undergraduate students an opportunity to gain a deeper knowledge of the many dimensions of water management. Students will take 21 credits in core and elective courses. This minor is open to any major.

Click [here](#) for more information and to download the course checklist.

If there is magic on this planet, it is contained in water - Loren Eiseley

SUSTAINABLE WATER INTERDISCIPLINARY MINOR

CSU's Sustainable Water Interdisciplinary Minor (SWIM) offers undergraduate students, regardless of their major, an opportunity to gain a deeper knowledge of the many dimensions of water management. By taking advantage of the outstanding water expertise available at CSU, students can better prepare themselves for careers in water management or graduate study in a water-related area.

CSU WATER CENTER

in partnership with **SCHOOL OF GLOBAL ENVIRONMENTAL SUSTAINABILITY**
Colorado State University

SWIM
21 credits required
minimum of 12 upper-division (300-400 level) courses

For further information, please visit www.watercenter.colostate.edu

MISCELLANEOUS

Clean River Design Challenge

Registration Deadline: February 1, 2017

Each year volunteers with the Greenway Foundation remove 2,400 lbs of trash from the South Platte River. Now, they are challenging themselves and others to do even more with the Clean River Design Challenge. This competition challenges teams of college students to create a functional trash removal device. The winning teams will be awarded \$2000!

Click [here](#) for more information.

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