

THE CURRENT

AN NEWSLETTER OF THE CSU WATER CENTER

Colorado State University



FEATURE

We are pleased to announce the recipients of our 2017-2018 CSU Water Center Competitive Grants



WATER CENTER
COLORADO STATE UNIVERSITY

The CSU Water Center has selected four Multi-Disciplinary Water Research Teams and three Water Faculty Fellows as recipients of Water Center funding for 2017-2018. Our request for proposals called for projects that would catalyze innovative water research, education, and engagement through interdisciplinary collaboration and creative scholarship among CSU faculty and students. The selection process was competitive and the breadth of topics covered by the submitted proposals is indicative of the successful water research community at CSU. Congratulations to these research teams and faculty members!

Water Research Teams

A systems modeling approach to quantify forest fuel treatment effects on wildfire severity and post-fire erosion

Tony Cheng, Benjamin Gannon, Kelly Jones, Stephanie Kampf, Lee MacDonald, Katherine Mattor, Peter Nelson, Yu Wei, and Brett Wolk

Developing a comprehensive understanding of metal impacts on stream ecosystems in Colorado

Will Clements, Ed Hall, Katy Warner, and Brian Wolff

Biotreatment of pharmaceuticals and personal care products during water treatment for reuse: Ensuring human safety at the food-water nexus

Susan De Long, Karen Rossmassler, Jessica Prenni, and Corey Broeckling

Quantifying the scope and impact of permanent agricultural dry-up due to rural to urban water transfers

Michael Falkowski, Dale Manning, Drew Bennett, Sarah Parmar, and Steven Filippelli

Water Faculty Fellows

From information to prices: What drives residential and commercial water demand?

Jesse Burkhardt, Department of Agricultural and Resource Economics

Integrating green infrastructure within land-use and water planning

Kelly Curl, Department of Horticulture and Landscape Architecture

Stream fish conservation in extreme habitats

Yoichiro Kanno, Department of Fish, Wildlife, and Conservation Biology

Click [here](#) for more details.

HIGHLIGHTS

4th Annual Hach Walk for Water

May 6, 2017 | 9:00 am - 1:00 pm | Loveland High School

Every day, millions of women and children in developing countries walk nearly 4 miles to retrieve water to their family's daily needs. Colorado State University is proud to be a sponsor for this year's event. Join the CSU Water Center Team and support Water Mission as we walk toward clean water solutions, and take the burden off of someone in need.



Click [here](#) to register and donate.

Society & Natural Resources special issue "Water Crises and Institutions: Governance Challenges in an Era of Uncertainty"

Congratulations to David Sonnenfeld and Pete Taylor of Colorado State University who have published a new journal article on water crises and institutions, featured in Taylor & Francis' curated collection for World Water Day 2017.

Read the article, along with a number of other journal articles on water issues around the world [here](#).

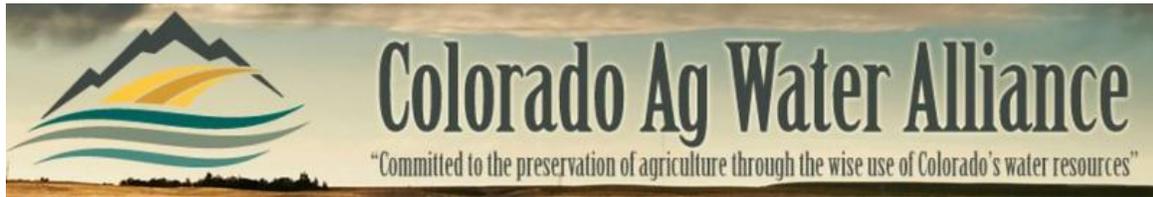
LOCAL AND REGIONAL EVENTS

CAWA Ag Water Tours: Greeley

May 10, 2017 | 8:00am - 4:00pm | Greeley, CO

Take the opportunity to learn how water is used in agriculture first hand. Explore working farms and ditches. See how water is used in irrigation and what farmers are doing about conservation. Join the Colorado Ag Water Alliance on this full-day tour and see a variety of speakers from local producers to the Commissioner of Agriculture.

Click [here](#) for more information.



CFWE 2017 President's Reception

May 12, 2017 | 6:00 pm | Denver Art Museum

CFWE invites you to join them for their annual awards event and fundraiser. Enjoy a fun-filled evening in celebration of water education and water leadership in Colorado.

Help honor the 2017 award recipients:

Eric Kuhn, Colorado River District, Diane Hoppe Leadership Award
Drew Beckwith, Western Resource Advocates, Emerging Leader Award

Click [here](#) for more information.

Mesa State of the River

May 15, 2017 | 3:30-8:00pm | Avalon Theater, Downtown Grand Junction, CO

Topics include snowpack, runoff, water banking, water economics, and water law.
Keynote speaker: Eric Kuhn, Colorado River District, "It's a Little River with Big Issues."

Click for [here](#) more information.

Clean the Poudre 2017

May 27, 2017 | 9:00am-12:00pm | Lee Martinez Park, 600 N. Sherwood, Fort Collins, CO 80521

Join Mountain Whitewater, the CSU Water Center, and other Fort Collins organizations in cleaning up the Poudre River! Bring gloves and sunscreen and dress for the weather. Trash bags will be provided. Please carpool or bike as parking is limited. There will be a volunteer appreciation event following the cleanup at 12:30 pm at Mountain Whitewater, 1329 N. US Hwy 287.

Clean the Poudre 2017

Down Town Fort Collins River Cleanup



For more information and to register, call Ben at 970-419-0917 or email ben@raftmwd.com.

Climate and Colorado's Water Future Workshop

June 1, 2017 | 8:30am - 5:00pm | Boulder, CO

Join CFWE to learn about Colorado's changeable climate, climate change, and how we're planning for our water future. You'll hear from expert speakers and tour some of the exciting facilities and labs housed within the National Oceanic and Atmospheric Administration (NOAA) including the Space Weather Prediction Center and the National Weather Service.

Click [here](#) for more information.

2017 Poudre River Fest

June 3, 2017 | 12:00pm-7:00pm | Poudre River Oxbow, adjacent to New Belgium Brewery

The Poudre River Fest is a free, family-friendly festival that restores, celebrates and educates people about the Cache la Poudre River.

This is a collaborative event that brings together like-minded nonprofits from our local conservation community.

- **Learn** about conserving the Poudre River and its resources through kids' activities
- **Connect** with local groups that work to improve and maintain the health of the river
- **Volunteer** to help with river cleanup and restoration projects in the coming year
- **Dance** to live music from Lineage Music Project, Dave Miller Blues Band and Patti Fiasco
- **Enjoy** beer from New Belgium Brewing Co. and food from local eateries.

Click [here](#) for more information.

Colorado Foundation for Water Education Southwest Basin Tour

June 13-14, 2017 | Telluride, CO

Tour attendees will have the opportunity to visit sites up and down the San Miguel River, from Telluride to the confluence with the Dolores River, hearing from local water managers, city officials, conservation groups and business leaders about local water management considerations, economic development, and collaborative restoration projects in the San Miguel and Dolores watersheds. Register soon; rates increase May 22.

Click [here](#) for more information.

Call for Abstracts - Upper Colorado Basin Forum

Submission Deadline: June 30, 2017 | Conference Dates: November 1-2, 2017

The 2017 Forum seeks to showcase stories which highlight the challenges and complexities involved in understanding Upper Colorado River Basin water issues and how to manage water in new ways, as well as the insights that result from this work. The theme "Stories from the Field" encourages presenters to tell stories from their personal experiences of work on the ground.

The conference organizers encourage submissions from scholars, water managers, engineers, policy makers, policy analysts, citizen groups, industry representatives (including the recreation and energy industries), farmers, water attorneys, graduate and undergraduate students, artists and writers. Submissions for both oral and poster presentations are welcome.

Click [here](#) for more information.

NATIONAL AND INTERNATIONAL EVENTS

Call for Abstracts - 2017 AWRA Annual Water Resources Conference

Submission Deadline: May 8, 2017 | Conference Dates: November 5-7, 2017

Today, our nation is facing challenges that encompass deteriorating infrastructure, climate change, drinking water quality, environmental alteration, endangered species, and water conflicts, among others. Scientific rigor and substantive discourse are values that are being dismissed and ridiculed at the national level. What does this mean for our precious water resources - and their protection, governance, management, and sustainable use? What role will our water resources community play?

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.

WEF Nutrient Symposium 2017

June 12-14, 2017 | Fort Lauderdale, FL

The WEF Nutrient Symposium provides an exciting opportunity to interact with nationally and internationally recognized nutrient removal and recovery technology experts. Learn how researchers

are working with practitioners and operators to develop and implement innovative solutions to address the challenges of sustainable nutrient management issues in today's world.

Click [here](#) for more information.

World Water Week

August 21-September 1, 2017 | Stockholm, Sweden

World Water Week in Stockholm is the annual focal point for the globe's water issues. In 2017, World Water Week will address the theme "water and waste - reduce and reuse".

Experts, practitioners, decision-makers, business innovators and young professionals from a range of sectors and countries come to Stockholm to network, exchange ideas, foster new thinking and develop solutions to the most pressing water-related challenges of today.

Click [here](#) for more information.

GRANTS AND FELLOWSHIPS

Agriculture and Food Research Initiative - Water for Food Production Systems Challenge

Closing Date: August 2, 2017

The long-term goal of this program is to sustainably increase agricultural productivity and availability of safe and nutritious food while significantly reducing water use and preserving water quality. The projects are expected to transform how abundant, safe, and nutritious food is produced, processed, distributed, and consumed within the limits of available water from traditional and non-traditional sources.

Click [here](#) for more information.

PhD Research Opportunities - Water in China

Deadline to Express Interest: September 1, 2017

The School of Geography at the University of Melbourne is seeking PhD candidates to conduct research in two areas: the spilling over of China's water management onto its international neighbors such as Mongolia and the countries of South-east Asia, and China's South-North Water Transfer project. The School is offering scholarships and generous field work and conference-attendance grants to appropriate candidates who are interested in writing PhD theses on these topics.

Click [here](#) for the water management program description. Click [here](#) for the South-North Water Transfer program description.

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

[Regional Water Management Coordinator - Community Water Center \(Visalia, CA\)](#)

The Regional Water Management Coordinator will be a key member of the CWC program staff, coordinating regional water management planning, policy, and program development to achieve sustainable and affordable drinking water solutions in low-income communities and communities of color.

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

[Upper Yampa Water Conservancy District John Fetcher Scholarship](#)

Application Deadline: May 15, 2017

The scholarship provides financial assistance to a committed and talented student who is pursuing a water-related career in any major at a public university within the state of Colorado. Preference will be given to students who are residents or former residents of Northwest Colorado, desire a career related to water resources, or have shown academic interest in the Yampa River or Colorado River Basin.

Click [here](#) for more information.

[2017 Harlan Erker Memorial Scholarship](#)

Application Deadline: May 26, 2017

The Colorado Ground Water Association is offering one or more scholarships to graduate students and senior undergraduates (as of fall 2017) currently attending an accredited college or university in Colorado. Research topics must involve some aspect of ground water science or engineering.

Click [here](#) for more information.

[2017 WaterReuse Colorado Student Scholarship](#)

Application Deadline: May 31, 2017

The purpose of the scholarships is to support students with a focus on water reuse, water reclamation, and/or desalination.

Click [here](#) for more information.

Four States Irrigation Council Scholarship

Application Deadline: June 9, 2017

This one-year scholarship will be awarded to a qualified student interested in a career in irrigation or water related fields and currently enrolled at an accredited University or College in the state of Colorado, Kansas, Nebraska, or Wyoming.

Click [here](#) for more information.

RMWEA Tony Campman Scholarship

Application Deadline: June 15, 2017

The Rocky Mountain Water Environment Association established the Tony Campman Scholarship to encourage students who wish to pursue higher education in the water environment field by providing a scholarship at their college or university.

Click [here](#) for more information.

Rocky Mountain Water Quality Analysts Association Scholarship

Application Deadline: July 31, 2017

The RMWQAA offers a \$1,000 scholarship to students pursuing an education and career in the Water Quality field. RMWQAA provides a forum for networking, sponsors training and educational opportunities, and maintains a system of certification and professional development for laboratory analysts and others in the water quality field.

Click [here](#) for more information.

EDUCATION

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.



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

CSU Water Center | 119 Johnson Hall | Colorado State University
Fort Collins, CO 80523 | (970) 491-2695 | watercenter.colostate.edu | 