



**FEATURE**

**CSU Water Center 2016-2017 Grants**



**Colorado State University**

We are pleased to announce  
the recipients of our 2016-2017  
CSU Water Center Competitive Grants

The CSU Water Center has selected five Multi-Disciplinary Research/Proposal Teams, one Water Faculty Fellow, and one Symposium planning group as recipients of Water Center funding for 2016-2017. We would like to thank everyone who submitted a proposal in response to this year's RFP. 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.

Click [here](#) to see the FY17 projects selected for Water Center grants. Congratulations to these faculty members!

## HIGHLIGHTS

### [CSU Professor and Author Kurt Fausch Wins Nature Writing Award](#)

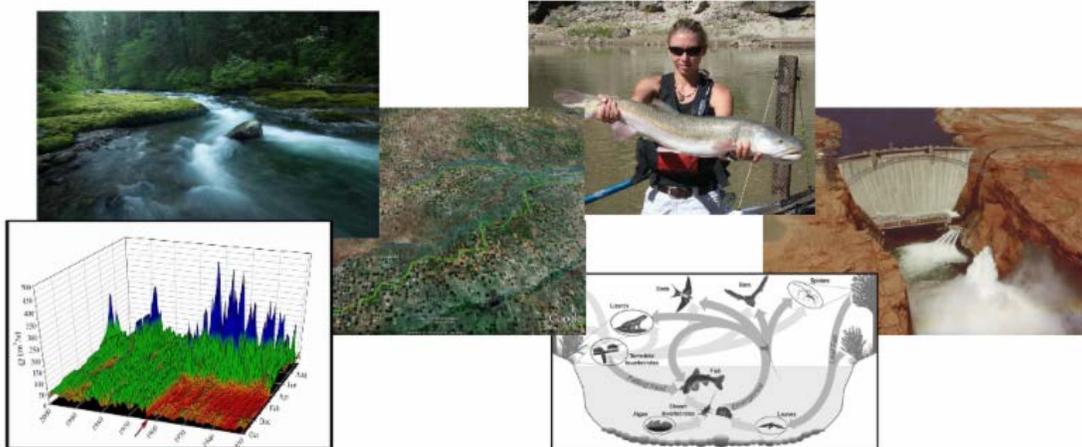
Dr. Kurt Fausch has won the Sigurd F. Olson Nature Writing Award (SONWA) for his book, *For the Love of Rivers*. Since 1991, the SONWA has honored the literary legacy of Sigurd Olson by recognizing and encouraging contemporary writers who seek to carry on his tradition of nature writing. Dr. Fausch is a professor in the Department of Fish, Wildlife, and Conservation Biology.

Click [here](#) to read more about the award.

### [ECOL 592 - Fall 2016 Seminar Class \(2 credits\) - "Sustaining River Hydroecosystems for Aquatic and Riparian Biota"](#)

*Wednesdays 11:00-12:50 | Taught by Dr. Kurt Fausch*

Students will select, summarize, and discuss readings aimed at developing an integrated understanding of the geomorphological, hydrological, and ecological principles that govern river hydroecosystem structure and function, as it applies to managing rivers to sustain freshwater and riparian habitat and biota in the face of human demands and climate change. Guest faculty and scientists will be invited to interact with the group in their areas of expertise. Use CRN 60164 to sign up for this course.

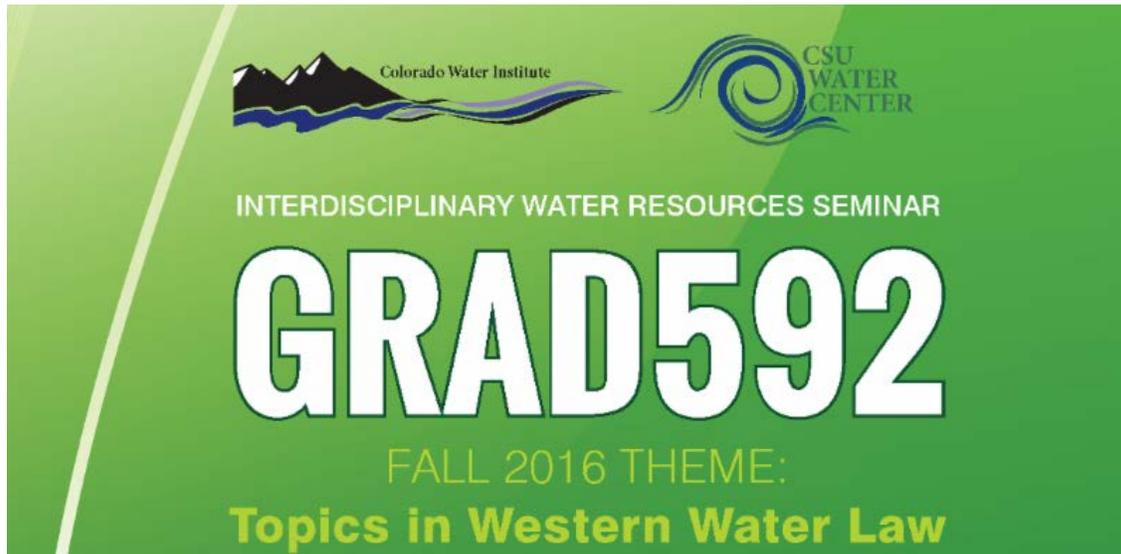


### [Enrollment open for Fall 2016! GRAD 592 1-Credit Seminar Class - "Topics in Western Water Law"](#)

*Mondays 4:00-5:00 pm | Natural Resources Rm 109*

Seminar topics will include: History and Evolution, Compacts and Federal Law, Key Colorado Court Cases and Statutes, Hybrid Water Law Systems, Water Quality, Groundwater, and Environmental Law. Use CRN 74006 to sign up for the one-credit course. The lectures are also open to anyone wishing to attend.

Click [here](#) for more information.



## LOCAL AND REGIONAL EVENTS

### 2016 Hach Walk for Water

*May 7, 2016 | 9:00 am - 1:00 pm | Loveland High School | Loveland, CO*

Every day, millions of women and children in developing countries walk nearly 4 miles to retrieve water to their family's daily needs. In most cases, even after walking for miles and miles, the water they have to drink is contaminated. The Hach Walk for Water will simulate this trek to raise awareness of the global water crisis here in our community. CSU and the Water Center are sponsoring this event to help provide sustainable water treatment systems to communities across the world.



Click [here](#) for more information and to register with the Colorado State University team.

### Permanent Stormwater BMP Inspection and Maintenance Workshops

*May 17-18, 2016 in Erie, CO*

Participants will learn how to recognize BMP maintenance needs and how to perform maintenance correctly. The workshop includes 8 hours of presentations/discussion in a classroom setting, a 4-hour field trip and a 2-hour written exam (optional). Participants who successfully pass the written exam receive certification from Colorado State University Extension and are recognized on the Center's website.

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

### **Children's Water Festivals - Volunteer Opportunities**

*May 17, 2016 (Denver) and May 18, 2016 (Fort Collins)*

These festivals seek to educate children about water with fun and informative hands-on activities. The Denver festival is for sixth graders and the Fort Collins festival is for third graders.

Click [here](#) for information about Denver. Click [here](#) for information about Fort Collins.

### **Colorado Foundation for Water Education's 2016 President's Award Reception**

*May 20, 2016 | 6:00 pm | Space Gallery, 400 Santa Fe Drive | Denver, CO*

Support water education, network with friends, and help CFWE honor its 2016 awardees: **Governor John Hickenlooper**, President's Award, and **Heather Dutton**, San Luis Valley Water Conservancy District, Emerging Leader Award.

Click [here](#) to register.

### **Take Control of Your Sprinkler System - Adult Education Course**

*May 21, 2016 | 10:00 am - 12:00 pm | The Gardens on Spring Creek | Fort Collins, CO*

Learn how to monitor, make adjustments and understand all the functions on your sprinkler controller. Learn the latest technology in irrigation systems. Many types of controllers, heads and nozzles will be available in class for hands-on experimentation. Each participant receives a free high-efficiency nozzle for their sprinkler system.

Click [here](#) for more information.

### **Going There: An Evening of Story, Song and Conversation about Water**

*May 24, 2016 | 7:00-8:30 pm | Lory Student Center Theatre*

This is the latest in the NPR event series, *Michel Martin: Going There*, and will be produced in partnership with member station KUNC. We'll discuss the evolving legal, ethical and social conversations around water with the Northern Colorado stakeholders and storytellers who understand it best.

Click [here](#) for more information.



### **Tours of the Colorado-Big Thompson and Windy Gap Projects**

*May-July 2016 (multiple dates)*

Northern Water will conduct full-day tours of the Colorado-Big Thompson and Windy Gap projects again this summer. They are sponsoring two East Slope tours that highlight their Conservation Gardens, water operations, and proposed storage projects. The two West Slope tours travel through Rocky Mountain National Park to the collection facilities for the C-BT and Windy Gap projects.

Click [here](#) for more information.

### **Call for Abstracts: RMWEA Biosolids Committee Annual Workshop**

*Submission Deadline: June 1, 2016 | Workshop Date: November 10, 2016*

The committee is seeking 30-minute presentations on topics such as case studies, project reviews/updates, regulatory updates, and academic research and/or innovative technology.

Click [here](#) for more information.

### **Save the Date: Poudre RiverFest**

*June 4, 2016 | 11:00 am - 6:00 pm | Legacy Park | Fort Collins, CO*

Poudre RiverFest is a free, family-friendly festival that restores, celebrates, and educates people about the Cache la Poudre River. Learn about conserving the Poudre River and its resources through a photo scavenger hunt and kids' activities, connect with local organizations that conserve the river, and enjoy beer from New Belgium Brewing Co. and food from local eateries.

Click [here](#) for more information.

### **CFWE Urban Waters Bike Tours**

*June 7 and June 8, 2016 | Denver, CO*

CFWE is offering two half-day bike tours. Join us to pedal through the Bear Creek watershed, southwest of Denver, to discover how groups are reclaiming and protecting urban waterways. We'll see first-hand water quality improvement projects, recreation along the creek, long-term watershed planning and community education and stewardship.

Click [here](#) for more information.

### **57th Western Fish Disease Workshop**

*June 7-10, 2016 | Jackson Hole, WY*

This event will be held in conjunction with the A.F.S. Fish Health Section Meeting and the 22nd U.S. FWS Aquaculture Drug Approval Coordination Workshop.

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

### **2016 Martz Summer Conference - "Coping with Water Scarcity in River Basins Worldwide"**

*June 9-10, 2016 | Boulder, CO*

This conference will explore several salient topics including: trans-boundary cooperation, water marketing, Indigenous water rights, environmental and social water needs, and drought coping.

Click [here](#) for more information.

### **CFWE Gunnison Basin Tour**

*June 21-22, 2016*

Join CFWE for a Gunnison River Basin Tour hosted in conjunction with the Colorado Water Workshop. Gain an appreciation for this beautiful part of the state as we travel off the beaten path to develop a better understanding of the many values of water.

Click [here](#) for more information.

### **41st Annual Colorado Water Workshop: "Where the Water Meets the Land"**

*June 22-24, 2016 | Gunnison, CO*

Topics include measuring groundwater, agricultural management, land use planning, and urban water source protection. Scholarships are available for students.

Click [here](#) for more information.

### **Call for Abstracts: Upper Colorado River Basin Water Forum**

*Submission Deadline: June 30, 2016 | Forum Dates: November 2-3, 2016*

The 2016 Forum will seek to generate new insights into the dynamics of the coupled natural and human systems that coexist in the Colorado River Basin. The theme is "Complex Systems in Flux: Changing Relationships between Water, People, and the Environment."

Click [here](#) for more information.

## **NATIONAL AND INTERNATIONAL EVENTS**

### **Data Flow Conference**

*May 9-10, 2016 | Baton Rouge, LA*

Data Flow: Grand Challenges in Water Systems Modeling, Data Management, and Integration will focus on innovative uses of large data sets to better understand water issues.

Click [here](#) for more information.

### **Great Water Cities 2016**

*May 10-11, 2016 | Chicago, IL*

Great Water Cities 2016: Rainfall to Results in Action will build upon the previously-released Rainfall to Results report and provide the catalyst for continued advancement in several key areas of managing stormwater runoff and valuing it as a resource. Both new and familiar themes will be addressed during the event, through the lens of the stormwater and wet weather sector.

Click [here](#) for more information.

### **Water Microbiology Conference 2016**

*May 17-19, 2016 | Chapel Hill, NC*

This conference creates a forum for researchers and practitioners focused on microbiology and public health issues to come together around the intersection of the two. The focus will be on water microbiology from watershed to human exposure including current concerns in recreational waters, shellfish harvesting waters, emerging technologies and quantitative tools.

Click [here](#) for more information.

### **Call for Abstracts - 40th Annual Larval Fish Conference**

*Submission Deadline: May 19, 2016 | Conference Dates: June 19-23, 2016*

The conference we will feature six theme sessions and contributed sessions. The theme sessions are: Maternal Effects and Beyond, Carry over of early life, ELHS of Large Pelagics, Larval Dispersal, ELHS in Marine Food Web, and Ontogeny and Systematics.

Click [here](#) for more information.

### **World Fish Migration Day**

*May 21, 2016*

World Fish Migration Day (WFMD) is a one day global initiative, with local events worldwide, to create awareness on the importance of open rivers and migratory fish. It is hosted by the World Fish Migration Platform.

Click [here](#) to learn more.

## **World Environmental and Water Resources Congress 2016**

*May 22-26, 2016 | West Palm Beach, FL*

Attendees will have the opportunity to: interact with leaders in the profession and learn about professional trends, participate in the policy dialogue on water resource and environmental issues affecting the profession, learn about the latest trends and techniques being applied in the industry, and much more.

Click [here](#) for more information.

## **7th World Fisheries Congress**

*May 23-27, 2016 | Busan, Korea*

The theme of the Congress is "Challenge to Sustainable Fisheries and Safe Seafoods." The World Fisheries Congress has been hosted by the World Council of Fisheries Societies since 1991.

Click [here](#) for more information.

## **12th International Congress on the Biology of Fish**

*June 12-16, 2016 | San Marcos, TX*

Sample symposium topics include: Fish in a Toxic World, A Spotlight on Undergraduate Research in Fish Biology, Growth and Metabolism of Fishes, and Fish Migration Ecology.

Click [here](#) for more information.

## **Save the Date - XXVII Latin American Congress of Hydraulics**

*September 26-30, 2016 | Lima, Peru*

This is one of the most important and largest gatherings in water and environmental management in Latin America. It is sponsored by the International Association for Hydro-Environment Engineering and Research (IAHR), and organized by the Asociación Peruana de Ingeniería Hidráulica y Ambiental, and key local universities. The congress reports on water management advances in the region, and reveals new directions in hydraulics, hydrology, riverine, coastal and estuary geomorphology, water infrastructure, environmental management, water education among other topics.

Click [here](#) for more information.

## **GRANTS AND FELLOWSHIPS**

### **USDA NRCS Conservation Innovation Grants**

*Application Deadline: May 10, 2016*

Conservation Innovation Grants (CIG) are competitive grants that stimulate the development and adoption of innovative approaches and technologies for conservation on agricultural lands. CIG uses Environmental Quality Incentives Program funds to award competitive grants to non-Federal governmental or nongovernmental organizations, American Indian Tribes, or individuals.

Click [here](#) for more information.

### **Bureau of Reclamation Challenges - Downstream Fish Passage and Erosion Detection**

*Closing Date: May 10, 2016*

*Fish passage:* The Bureau of Reclamation, in collaboration with federal and state partners, is seeking new ideas for successful and cost-effective downstream fish passage at tall dams. Effective downstream passage for migrating juvenile fish will help us recover threatened and endangered species such as salmon and steelhead.

*Erosion Detection:* The Bureau of Reclamation, in collaboration with the U.S. Army Corps of Engineers, is seeking new methods for detecting soil particle movement:

- Directly or indirectly in earthen structures and foundations
- Earlier than occurs by current visual inspection and instrumentation methods

Click [here](#) for more info about the Fish Passage challenge. Click [here](#) for more information about the Erosion Prevention challenge.

### **FY16 and FY17 Region 08 Wetland Program Development Grants**

*Closing Date: May 16, 2016*

The U.S. Environmental Protection Agency is soliciting proposals from eligible applicants to build or refine state/tribal/local government wetland programs. Projects must be performed within one or more of the states of EPA Region 8, specifically Colorado, Montana, North Dakota, South Dakota, Utah, and/or Wyoming, to be eligible to apply for funding.

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-governmental funding sources for restoration projects and organizational capacity building.

Click [here](#) for more information.

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## **EMPLOYMENT OPPORTUNITIES**

### **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.

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## **SCHOLARSHIPS**

### **CGWA Harlan Erker Memorial Scholarship**

*Application Deadline: May 13, 2016*

The Colorado Ground Water Association is offering one or more scholarships to graduate students or senior undergraduates who are doing research in groundwater topics.

Click [here](#) for more information.

### **Upper Yampa Water Conservancy District John Fetcher Scholarship**

*Application Deadline: May 31, 2016*

The recipient must be a full-time student enrolled in a water-related 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.

### **Four States Irrigation Council Scholarship**

*Application Deadline: May 31, 2016*

The Four States Irrigation Council announces the availability of a \$2,000 one-year scholarship for 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.

### **WaterReuse Colorado Student Scholarship**

*Application Deadline: May 31, 2016*

The purpose of this award is to support full-time students with a focus on water reclamation, water reuse, and/or desalination. The scholarship is open to undergraduate and graduate students.

Click [here](#) for more information.

### **Tony Campman Scholarship**

*Application Deadline: June 15, 2016*

This scholarship is for an existing student at a 2- or 4-year Colorado, Wyoming, or New Mexico university or college studying in the water environment profession (e.g., biology, environmental science, engineering with a strong emphasis in wastewater treatment, water pollution control, or environmental protection).

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

## **MISCELLANEOUS**

### **Free Short Course - Beyond Groundwater Modeling: Integrated Simulation of Watershed Systems using ParFlow**

*May 25-27, 2016 | Colorado School of Mines | Golden, CO*

This NSF-sponsored short course will provide a brief background on the theory of coupled surface-subsurface modeling techniques and parallel applications, followed by many examples

and hands-on experience using ParFlow, an open-source, object-oriented, parallel watershed flow model. Registration for the course is FREE for students and university faculty.

Click [here](#) for more information.

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