



## FEATURE

### AECOM Partners with CSU for Sustainability Lecture



*November 16, 2015 | 12:00-1:00 pm | Lory Student Center Room 322*

This seminar will outline key concepts of whole systems thinking, synergies and conflicts between systems and approaches to optimize overall sustainability performance using concepts of interactive 'gameboarding' and simulation. Some examples and case studies from projects around the world will be shared to illustrate the challenge of integrated sustainability. The presenters will then focus the discussion on water and wastewater systems highlighting aspects of water balance modeling and various sustainability measures that can improve water use efficiency, reuse and water quality. The presentation will conclude with the introduction of the National Western Stock Show Complex as the context for the forthcoming collaboration between AECOM and CSU

and describe the preliminary vision for the project focused on high performance water systems design for the complex.

This is a brown-bag lunch event and all are welcome to attend.

*Seminar co-sponsored by CSU Water Center, SoGES, and College of Engineering*

## HIGHLIGHTS

### **FY16 Student Water Research Grant Program**

*Application Deadline: December 18, 2015*

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. Proposals must have a faculty sponsor and students must be enrolled full-time in a degree program at one of Colorado's public 4-year universities.

Click [here](#) for more information.

### **AWRA Annual Water Resources Conference**

*November 16-19, 2015 | Grand Hyatt Denver | Denver, CO*

Conference sessions address timely water issues such as water stewardship; pharmaceuticals/ personal care products in wastewater; alluvial aquifer recharge; agricultural water conservation; exploring water-related tradeoffs of oil/gas development through the lens of social and economic systems; Western water law; innovative technologies; water and petroleum production; coastal challenges and a number of other current topics of interest.

Click [here](#) for more information.

### **Alternative Transfer Methods Workshops**

*December 2, 2015 - Berthoud, CO | December 9, 2015 - Pueblo, CO*

These workshops will address how Colorado's valuable irrigated agricultural lands can be protected for future generations by the creation and adoption of alternatives to permanent agricultural dry-up.

Click [here](#) for more information including agenda and location.

### **GRAD 592 - Water Resources Seminar**

Mondays 4:00-5:00 pm | Natural Resources Bldg | Room 109

Please join us for our fall seminar series on water careers, jobs, and leadership. All interested faculty, students, and community members are encouraged to attend. The full schedule is available online [here](#).

### **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](http://www.watercenter.colostate.edu)**

## **LOCAL AND REGIONAL EVENTS**

### **26th Annual South Platte Forum**

October 28-29, 2015 | Embassy Suites | Loveland, CO

The South Platte Forum provides an avenue for a timely, multi-disciplinary exchange of information and ideas important to resource management in the South Platte River Basin. This year's theme is "Growing Forward in the South Platte Basin."

Click [here](#) for more information.

### **Western Water Conference**

*October 28-29, 2015 | Salt Lake City, UT*

This year's theme is "Water Management Strategies for Addressing Long-Term Drought and Climate Uncertainty."

Click [here](#) for more information.

### **Upper Colorado River Basin Water Forum**

*October 28-29, 2015 | Grand Junction, CO*

The 2015 Forum will be an interdisciplinary dialogue between academic, practitioner and artistic perspectives on water issues affecting the Upper Colorado River Basin. The theme is "Managing for Extremes."

Click [here](#) for more information.

### **Colorado WaterWise Water Conservation Summit**

*October 29, 2015 | 8:15 am - 5:30 pm | Police Protective Assn., 2105 Decatur St | Denver, CO*

This event is for water supply planners, environmental professionals, conservation professionals, elected officials, city planners, educators, landscape professionals, and green builders/developers seeking to learn more about water conservation. This year's keynote speaker will be Dr. Wallace J. Nichols, the NY Times best-selling author of "A Blue Mind."

Click [here](#) for more information.

### **National Water Resources Association 84th Annual Conference**

*November 4-6, 2015 | The Westin Denver Downtown | Denver, CO*

The conference will focus on contemporary issues facing water managers throughout the United States, including expert panels on: El Niño, the value of hydropower, groundwater management, public/private partnerships, disaster response (wildfire, etc.) and environmental partnerships with the water community.

Click [here](#) for more information.

### **2015 Ag Water Summit - Colorado Ag Water Alliance**

*December 15, 2015 | Adams County Fairgrounds | Brighton, CO*

The theme of this summit is "We have the Colorado Water Plan... Now what is the future of Colorado agriculture?" Sessions will address topics such as the Water Plan, Use It or Lose It, California's Drought, and The Future of Ag Water.

Click [here](#) for more information.

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## **NATIONAL AND INTERNATIONAL EVENTS**

### **Water Quality Technology Conference**

*November 15-19, 2015 | Salt Lake City, UT*

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

Click [here](#) for more information.

### **USCID Water Management Conference: Emerging Issues in Water Management Governance**

*November 17-20, 2015 | Albuquerque, NM*

This Conference will be an ideal forum in which irrigation district and water management staff can exchange and learn from the experiences of others in their field. Those involved in government agencies, university-sponsored research and development, and commercial providers of technology and services, will add valuable insight and information to the conversations.

Click [here](#) for more information.

### **American Geophysical Union Fall Meeting**

*December 14-18, 2015 | San Francisco, CA*

The AGU Fall Meeting's scientific program spans the Earth and space sciences, offering something for everyone no matter their scientific discipline. Colorado State University researchers are leading a session on "Water-Energy-Food Nexus: Implementations and Challenges in the Context of Global Change."

Click [here](#) for more information.

### **NGWA 2015 Groundwater Expo**

*December 15-17, 2015 | Las Vegas, NV*

This conference will allow you to explore the newest in products and services from hundreds of exhibitors, as well as participate in education and networking opportunities. This year's theme is "The Intersection of Today and Tomorrow."

Click [here](#) for more information.

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## GRANTS AND FELLOWSHIPS

### **2016 Saltonstall-Kennedy Competitive Research Program - Fisheries**

*Application Deadline: November 2, 2015*

The emphasis of this year's grant program is being placed on rebuilding fish stocks, maintaining and restoring healthy ocean and coastal ecosystems, and promoting the economic vitality of fishery working waterfront communities. The program is also emphasizing community-based projects to help coastal communities retool fishing fleets, shore services, and port facilities into sustainable and innovative businesses.

Click [here](#) for more information.

### **Invasive Phreatophyte Control Program Grants (CWCB)**

*Application Deadline: November 13, 2015*

The IPCP grant program is intended to provide cost share assistance to eligible entities to control and/or eradicate tamarisk (also known as salt cedar), Russian olive, or other riparian invasive phreatophytes that have degraded the state's riparian areas, restricted channel capacity thereby increasing flood risk, and resulted in increased non-beneficial consumptive use of water.

Click [here](#) for more information.

### **AirWaterGas Education and Outreach Community Small Grants**

*Application Deadline: December 1, 2015*

The [AirWaterGas Sustainability Research Network](#) (SRN) at the University of Colorado Boulder is pleased to announce a Request for Proposals for K-12 and community-led projects that improve awareness of sustainable pathways for energy development. These projects will seek to improve understanding of the risks and benefits of oil and gas development as they pertain to air quality, water quality and quantity, economic effects, or other factors.

Click [here](#) for more information.

### **13th Annual P3 Awards: A National Student Design Competition for Sustainability**

*Application Deadline: December 8, 2015*

The U.S. 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. The P3 competition highlights the use of scientific principles in creating innovative projects focused on sustainability.

Click [here](#) for more information.

### **NSF Research Experience for Undergraduates - Stream Restoration**

*Application Deadline: February 15, 2016*

The Oklahoma Water Resources Center hosts an NSF-REU in Stillwater, Oklahoma on stream restoration/rehabilitation. The REU pays for student housing, meals, research supplies, travel to a future conference, and also provides a stipend during the 10-week summer program.

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.

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## **EMPLOYMENT OPPORTUNITIES**

### **Graduate Research Assistantships - Aquatic Ecology and Limnology**

*Application Deadline (for full consideration): November 1, 2015*

Two graduate research assistantships (Ph.D. or M.S.) are available in [Alan Wilson's lab](#) at Auburn University. Current lab research projects seek to answer questions associated with understanding the ecological, evolutionary, and limnological mechanisms controlling the structure and function of freshwater plankton communities with an emphasis on harmful algal blooms.

Please apply to [Alan Wilson](#) with a statement of interest, resume, transcript (including GRE scores), and contact information for three references.

### **Two Open Positions with University of California Agriculture and Natural Resources Division**

*Application Deadlines: October 31 and November 1, 2015*

The University of California Agriculture and Natural Resources Division seeks an Area Vegetable Crops Cooperative Extension Advisor and an Irrigation Water Management Specialist in Cooperative Extension for career appointments.

Click [here](#) for Crops Advisor announcement. Click [here](#) for Irrigation Mgmt announcement.

### **Restoration Leadership Intern**

Wildlands Restoration Volunteers is seeking Leadership Restoration Interns interested in taking on leadership roles for the volunteer project season.

Click [here](#) for more information.

### **Water Resources Engineer/Specialist**

Wilson Water Group currently has two positions open for a water resources engineer/specialist, one in Lakewood and one in Glenwood Springs. Candidates should possess a proficient understanding of Colorado water rights and experience with GIS and database management.

Click [here](#) for more information.

### **Environmental Nonprofit Graduate Internships and Volunteer Positions**

The Institute for Environmental Solutions (IES) is seeking motivated volunteers and graduate interns passionate about protecting the environment to join one of two projects, the Tree Project or the Chemical Footprint Project.

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.