

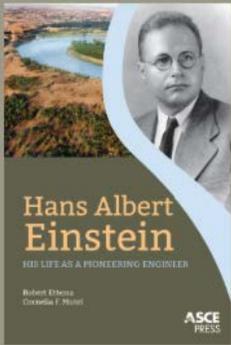
**FEATURE**

**Seminar: Dr. Robert Ettema**

**HANS ALBERT EINSTEIN**  
ALBERT'S SON & PIONEERING RIVER ENGINEER

SEMINAR PRESENTED BY AUTHOR  
**ROBERT ETTEMA**

Wednesday, April 27  
12:00 PM – 1:00 PM  
Lory Student Center Room 322  
Free and open to all  
[www.watercenter.colostate.edu](http://www.watercenter.colostate.edu)



Co-sponsored by CSU Water Center and BoGES

   
COLORADO STATE UNIVERSITY

April 27, 2016 | 12:00-1:00 pm | Lory Student Center Room 322

Dr. Robert Ettema from the CSU Department of Civil and Environmental Engineering will present a seminar on his book, *Hans Albert Einstein: His Life as a Pioneering Engineer*. Hans was the son of the famous Albert Einstein.

Dr. Ettema is the Harold Short Endowed Chair at Colorado State University. He received his undergraduate and graduate education at Auckland University, New Zealand. He has held faculty and administrative positions at The University of Iowa and the University of Wyoming prior to joining Colorado State University. His main research and expertise interests involve a range of aspects regarding water engineering, including: hydraulic structures, river mechanics, and cold-regions considerations. Dr. Ettema recently was awarded the Hans Albert Einstein Award for his international recognition in advancing insight and engineering methods regarding sediment transport processes at bridge waterways and other hydraulic structures, sediment transport under ice cover and river morphology, and for promoting river mechanics education and history.

Click [here](#) for the event poster.

## HIGHLIGHTS

### CSU Researchers Receive Funding to Study the Ogallala Aquifer

A newly received grant will provide funding for eight universities and USDA-ARS to study water issues in the Ogallala Aquifer. The project is part of the USDA-NIFA Water for Agriculture Challenge Area and will provide \$10 million over the next four years to integrate science, technology, outreach, and policy to address groundwater resource challenges in the Ogallala region. The project will offer a better understanding of the rapidly declining water levels and identify strategies to sustain agricultural systems and rural economies in the area.

The team is being led by principal investigator **Meagan Schipanski**. Schipanski is an assistant professor in the Department of Soil and Crop Sciences and a CSU Water Center faculty fellow. Other CSU team members include:

- **Allan Andales**, Soil and Crop Sciences associate professor and a member of the Water Center's Executive Committee
- **Jose Chavez**, Civil and Environmental Engineering associate professor
- **Chris Goemans**, Agricultural and Resource Economics associate professor and member of the Water Center's Executive Committee
- **Andrew Jones**, senior research scientist with the Cooperative Institute for Research in the Atmosphere
- **Dale Manning**, Agricultural and Resource Economics assistant professor
- **Jordan Suter**, Agricultural and Resource Economics associate professor
- **Joel Schneekloth**, water resources specialist with the Colorado Water Institute
- **Reagan Waskom**, director of the Colorado Water Institute and chair of the CSU Water Center

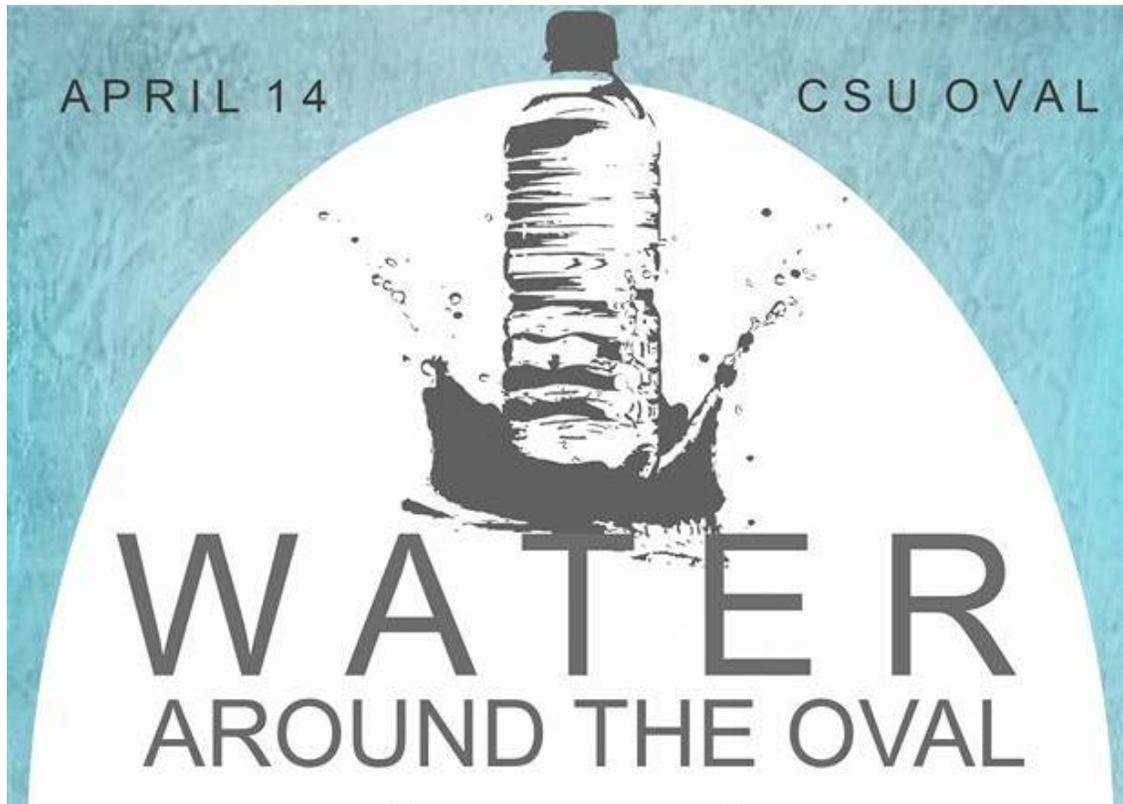
More information about the project is available [here](#) or on the [USDA website](#).

### **Water Around the Oval - Flint Water Crisis Fundraiser**

*April 14, 2016 | 10:00 am - 4:00 pm | CSU Oval*

This year CSU is participating in a special edition of the annual Cans Around the Oval food drive. CSU students, faculty, and staff will partner with community members, local media, and area businesses to raise awareness and resources for the Flint, Michigan water crisis by collecting water and money for the Food Bank of Eastern Michigan. There will also be a student presentation on environmental justice. Gallons and bottles of water can be brought to the Oval from 10:00-4:00 on the 14th. Monetary donations are accepted at any time at the website below.

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

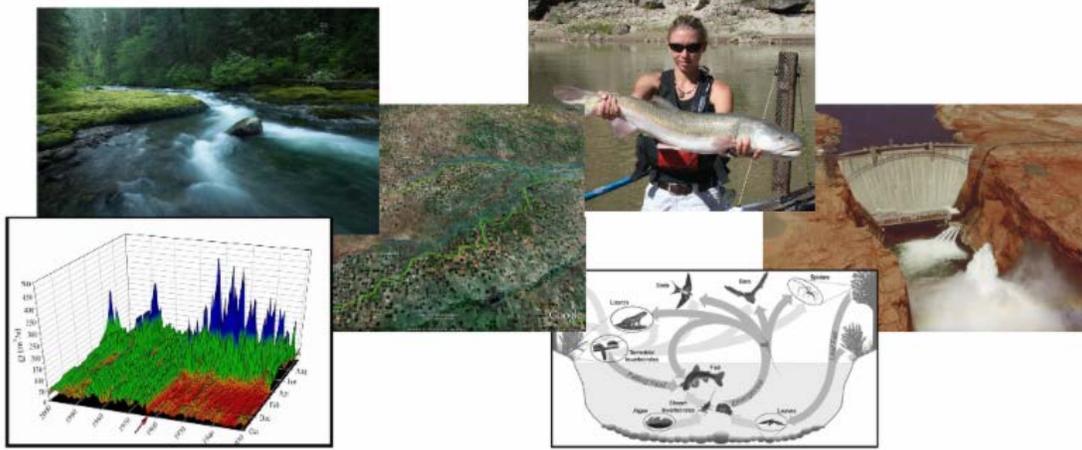


### **ECOL 592 - Fall 2016 Seminar Class (2 credits) - "Sustaining River Hydro-ecosystems for Aquatic and Riparian Biota"**

*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.

A green banner for the Colorado Water Institute and CSU Water Center. It features the logos of both organizations, the text "INTERDISCIPLINARY WATER RESOURCES SEMINAR", and the large text "GRAD592". Below this, it says "FALL 2016 THEME: Topics in Western Water Law".

## **LOCAL AND REGIONAL EVENTS**

### **Free Webinar: Managing the Colorado River in the 21st Century**

*April 14, 2016 | 9:00-10:00 am*

Join CFWE in partnership with CoBank for a free webinar to hear about pressing water supply challenges on the over-allocated Colorado River system as well as collaborative efforts underway as we race toward solutions.

Click [here](#) to register. Click [here](#) to read CFWE's brochure about the Colorado River.

### **Call for Abstracts - RMSAWWA/RMWEA Joint Annual Conference**

*Submission Deadline: April 18, 2016 | Conference Dates: September 11-14, 2016*

The conference committee is especially interested in abstracts that address treatment, collection & distribution, water reuse, managing water resources, energy management, watershed management, laboratory, stormwater, small systems, alternative delivery, instrumentation/controls, environmental challenges, conservation, regulations, water quality, administrative/managerial challenges, construction, and operations.

Click [here](#) for more information.

### **Permanent Stormwater BMP Inspection and Maintenance Workshops**

*April 20-21, 2016 in Colorado Springs, CO | 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.

### **2016 AWRA Annual Symposium**

*April 22, 2016 | 7:30 am - 5:30 pm | Golden, CO*

The Colorado Section of AWRA and the Colorado Foundation for Water Education Present: "Water in the 21st Century West: The Times They are a Changin'." Keynote speakers will be Mike King from Denver Water and Justice Gregory Hobbs.

Click [here](#) for more information.

### **NGWA Groundwater Summit**

*April 24-27, 2016 | Denver, CO*

Join fellow industry professionals from around the world at NGWA's preeminent technical conference, the Groundwater Summit, which will be focusing in 2016 on "Solving Groundwater Challenges Through Research and Practice."

Click [here](#) for more information.

### **Collaborative Restoration Workshop**

*April 26-27, 2016 | Denver, CO*

This workshop will be a forum for sharing innovative approaches to collaborative restoration, tools, and lessons about planning, implementing, and monitoring restoration efforts on and around National Forest System lands.

Click [here](#) for more information.

### **The Groundwater Visibility Initiative: Integrating Groundwater and Surface Water Management Workshop**

*April 28, 2016 | Denver, CO*

Examine the challenges - and successes - of managing the integration of groundwater and surface water in this one-day workshop being held jointly by NGWA and the American Water Resources Association (AWRA).

Click [here](#) for more information.

### **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.

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.

### **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.

### **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.

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## **NATIONAL AND INTERNATIONAL EVENTS**

### **Call for Abstracts - Water Initiative for the Future (WatIF) Graduate Student Conference**

*Submission Deadline: April 18, 2016 | Conference Dates: July 27-29, 2016*

The WatIF conference is a novel international conference organized by a multidisciplinary group of graduate students for graduate students. This conference will encourage collaboration and communication among students from universities across disciplines and geographic locations by giving them an opportunity to share their research at all stages.

Click [here](#) for more information.

### **Design-Build for Water/Wastewater Conference**

*April 20-22, 2016 | Charlotte, NC*

This event is co-hosted by the Design-Build Institute of America, the American Water Works Association, the Water Environment Federation, and the Water Design-Build Council.

Click [here](#) for more information.

### **2016 Water for Food Global Conference**

*April 24-26, 2016 | Lincoln, NE*

The seventh annual Water for Food Global Conference will focus on the powerful impact that can be achieved through public-private partnerships in water for food research, technology, and project development.

Click [here](#) for more information.

### **2016 AWRA Spring Specialty Conference**

*April 25-27, 2016 | Sheraton Anchorage | Anchorage, AK*

This conference will examine the Water-Energy-Environment nexus. Topics include oil and gas, coal, hydropower, and water supply and energy management.

Click [here](#) for more information.

### **Call for Proposals - 8th National Summit on Coastal and Estuarine Restoration**

*Submission Deadline: May 2, 2016 | Conference Dates: December 10-15, 2016*

This summit is a collaboration between Restore America's Estuaries and The Coastal Society which brings together the restoration and coastal management communities for robust discussions that explore critical issues, solutions, and lessons learned that face our nation's coasts and estuaries.

Click [here](#) for more information.

### **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.

### **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.

### **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**

### **Field Surface Water Hydrologist/Groundwater Hydrogeologist**

TerranearPMC seeks to fill field hydrologist/hydrogeologist positions at their Los Alamos, New Mexico office. The primary duties will be to collect groundwater and surface water samples in support of the watershed monitoring program at Los Alamos National Laboratory.

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.

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## **SCHOLARSHIPS**

### **Richard A. Herbert Memorial Scholarship**

*Application Deadline: April 22, 2016*

This scholarship honors Richard A. Herbert, a champion for water resources education. Multiple scholarships are available for undergraduate and graduate students.

Click [here](#) for more information.

### **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.

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## **MISCELLANEOUS**

### **Graduate Student Survey - Climate Change Education**

As a graduate student in a STEM discipline, researchers at Oklahoma State University invite you to participate in a short online research survey. By completing this survey, you will be providing us with information about the level of climate change/climate variability education and research you have been exposed to during your studies. We expect to share our results at scientific conferences and in a peer-reviewed publication, shedding light into the current state of climate education and research in higher-education institutions across the United States.

Click [here](#) to take the survey.

**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.

CSU Water Center | 119 Johnson Hall | Colorado State University  
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