

Issue XXXIII - October 6, 2015



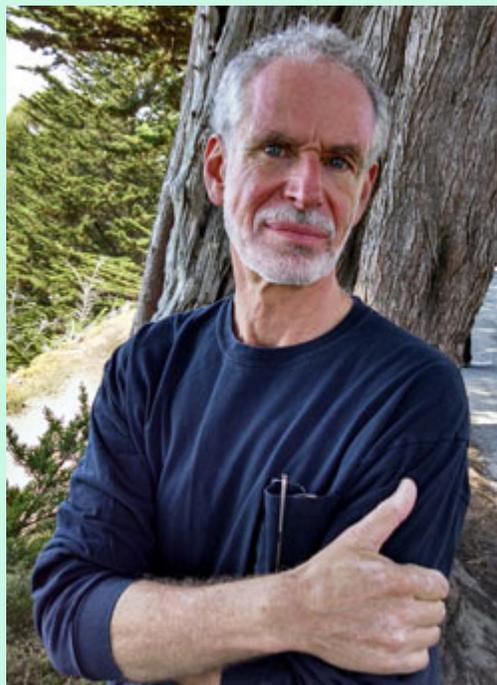
THE CURRENT

An eNewsletter of the CSU Water Center



FEATURE

Distinguished Lecturer Clifford I. Voss: "Informing Management of the World's Largest Groundwater Systems with Simply-Structured Model Analysis"



October 15, 2015 | 4:00 pm | Natural Resources Room 109

Clifford I. Voss has been selected as the 2015 Birdsall-Dreiss Distinguished Lecturer by the Geological Society of America. Cliff is a senior scientist with the National Research Program of the USGS. Cliff advises extensively on groundwater system evaluation and management and he lectures worldwide on these and related subjects. His scientific interests in hydrogeology include addressing hydrogeologic heterogeneity, physics of solute and energy transport, behavior of fluids with varying density, phase change in geothermal and frozen systems, inverse modeling and network design, and evaluating extensive aquifer systems in light of sparse data.

This seminar is co-hosted by the CSU Department of Geosciences and the CSU Water Center.

Click [here](#) for more information about Cliff's work.

HIGHLIGHTS

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

LOCAL AND REGIONAL EVENTS

2015 State of Water

October 8, 2015 | 11:00 am-1:30 pm | Hyatt Regency | 650 15th St, Denver, CO

Attendees will learn about Colorado's Water Plan and gain an understanding of how business can play a role in maximizing this precious, limited resource.

Click [here](#) for more information.

Best Practices for Collaborative Water Decisions: Moving from Concept to Action

October 14-16, 2015 | Wine Country Inn | Palisade, CO

This highly interactive training, hosted by the Colorado Water Institute and CDR Associates, will help water professionals, leaders, and stakeholders deepen and strengthen their skills, tools and capacity for collaboration and consensus-building on complex water challenges.

Click [here](#) for more information.

Community Event with Colorado State University and the Coalition for the Poudre River Watershed - High Park Fire Research and Restoration

October 15, 2015 | 6:30-8:30 pm | Poudre Canyon Community Building: 10234 Poudre Canyon Road, Poudre Park

Join [CPRW](#) for an evening with researchers from CSU and USFS Rocky Mountain Research Station to learn more about the effects of the High Park Fire on flooding, erosion, and water quality. CPRW will also be sharing information about current restoration projects and will open it up to the community to talk about remaining post-fire recovery needs and concerns.

For more information, contact Jen Kovecses at 970-222-5754.

Skin Gulch Flood Restoration Project

October 24-25, 2015 | 7:30 am-5:00 pm

Join Wildlands Restoration Volunteers to help with regrading stream bank, willow planting, seeding and mulching approximately 3 acres of floodplain at a crucial junction of Skin Gulch where it enters the Cache la Poudre (Stove Prairie Rd. and Highway 14).

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

CSU Natural Gas Symposium

October 27-28, 2015 | Lory Student Center

Hosted by the Energy Institute at CSU for the fifth year, this event will offer talks on a balanced variety of topics relating to natural gas. Students are encouraged to attend. Theme: Key Components for Sustainable Industry-Community Collaboration. How can the oil and gas industry be environmentally and economically sustainable? How do businesses, local and state governments enhance sustainability in an oil and gas commodity pricing environment?

Click [here](#) for more information.

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.

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.

Optimizing Sustainability During Large Scale Urban Infrastructure Development: Modeling Approaches and Case Studies

November 16, 2015 | 12:00-1:00 pm | Location TBD

[AECOM](#) will join CSU and participate in a seminar on integrated sustainability approaches for high performance design and development projects. The one hour seminar will be open to anyone interested in advanced approaches for sustainable design. This seminar is co-sponsored by the CSU Water Center, SoGES, and the College of Engineering.

NATIONAL AND INTERNATIONAL EVENTS

Water Infrastructure Conference

October 13-16, 2015 | Bethesda, MD

Challenges posed by climate change, population growth, increased water consumption, increased urbanization and the need for vigilance against man-made and natural threats place increasing demands on water and wastewater utilities. This conference will address these water infrastructure issues.

Click [here](#) for more information.

Call for Abstracts - AWWA ACE 2016 Conference

Young Professionals/University Forum Deadline: October 15, 2015 | Conference Dates: June 19-22, 2016

This four-day professional program will dig into more than 30 interest areas and will include useful discussions in the areas of direct potable reuse, source water protection, water loss control, and asset management.

Click [here](#) for more information.

Water & Health Conference

October 26-30, 2015 | Chapel Hill, NC

The 2015 Water and Health Conference: Where Science Meets Policy, organized by The Water Institute at UNC, considers drinking water supply, sanitation, hygiene and water resources in both the developing and developed worlds with a strong public health emphasis.

Click [here](#) for more information.

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.

GRANTS AND FELLOWSHIPS

CUAHSI Pathfinder Graduate Student Fellowships

Application Deadline: October 16, 2015

The CUAHSI Pathfinder Fellowship program provides travel funds to graduate students in water science to make an extended trip to conduct and enhance their research. This opportunity allows students to travel to an additional field site to conduct comparative research, collaborate with a research group, or work with researchers on adding an inter-disciplinary dimension to a water science project.

Click [here](#) for more information.

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.

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.

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.

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.

Technical Advisor I

Hach is seeking a technical advisor to provide technical support and on-site training to Hach Flow customers on a variety of flow products and services.

Click [here](#) for more information.

Water Resources Management Professor

The Kansas State University Biological and Agricultural Engineering (BAE) department is seeking applicants for a tenure-track or tenured faculty position in water resources management.

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

AWRA Colorado Scholarship

Application Deadline: October 9, 2015

AWRA Colorado is accepting applications for the 2015-2016 Rich Herbert Memorial Scholarship. Applicants must be a student in an undergraduate, Masters, or PhD degree program at any accredited Colorado public or private college or university, and must be involved in research or independent study pertaining to hydrology, engineering, hydrogeology, geomorphology, aquatic biology, water law, water-resources policy or planning, environmental science or other topics concerning water resources in Colorado.

Click [here](#) for the application. Please submit application electronically to [Laurel Stadjuhar](#).

Environmental Division Scholarship and Veolia Water Technologies Scholarship

Application Deadline: October 15, 2015

The Environmental Division of the Society for Mining, Metallurgy and Exploration annually awards scholarships to promising college students who have chosen as a career path the field of mining and the environment. Applicants for the Environmental Division Scholarship may also be considered for a special scholarship funded by Veolia Water Technologies.

Click [here](#) for more information.

CASFM Scholarships

Application Deadline: October 16, 2015

The Colorado Association of Stormwater and Floodplain Managers has two scholarships available, one for graduate students in a field of study closely related to the goals of CASFM, and one for a student whose parent or legal guardian is a member of CASFM.

Click [here](#) for the Ben Urbonas (graduate) scholarship and [here](#) for the CASFM Family scholarship.

American Water Foundation Scholarships Available for USCID Conference

Conference Dates: November 17-20, 2015

The first six USCID student members who submit a brief abstract of a poster presentation for the Conference Poster Session on Thursday, November 19, will receive free conference registration, which includes all conference activities. Students may join USCID online. The first year of student membership is free.

Click [here](#) to join USCID. Click [here](#) for more about the conference.

MISCELLANEOUS

WISE Project Receives CWCB Funding

The Colorado Water Conservation Board has approved \$905,000 in state and regional grant funding for the WISE (Water Infrastructure and Supply Efficiency) project. This project is a partnership between Denver, Aurora, and the South Metro Water Supply Authority.

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

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