

Issue L - November 15, 2016



THE CURRENT

AN ENEWSLETTER OF THE CSU WATER CENTER



FEATURE

Birdsall-Dreiss Distinguished Lecture

DR. SHEMIN GE

Professor of Hydrogeology

Department of Geological Sciences, University of Colorado-Boulder

*Groundwater Dynamics in
Headwater Regions under
a Changing Climate*



December 1, 2016 | 4:00-5:00 pm | Natural Resources Building, Room 113

For the 2016 Birdsall-Dreiss Distinguished Lecture, Dr. Shemin Ge of the University of Colorado-Boulder will discuss "Groundwater Dynamics in Headwater Regions Under a Changing Climate." Dr. Ge's research examines how seasonal and long-term surface temperature variations impact groundwater and its interaction with surface water.

The Birdsall-Dreiss Lecture is sponsored by the Hydrogeology Division of the Geological Society of America, the CSU Department of Geosciences, and the CSU Water Center.

Click [here](#) to download the event poster.

HIGHLIGHTS

CSU Team Wins Award for Irrigation Scheduling Tool

The American Society of Agronomy has awarded a 2016 ASA Educational Materials Award to a team of CSU faculty and staff for their irrigation scheduling tool, WISE (Water Irrigation Scheduler for Efficient Application). WISE is a cloud-based application hosted on the [eRAMS](#) platform. The goal of this tool is to make irrigation scheduling both convenient and as cost-effective as possible, maximizing crop yield while minimizing excess irrigation.

Members of the WISE development team are:

- Allan Andales, Associate Professor of Soil and Crop Sciences
- Mazdak Arabi, Associate Professor of Civil and Environmental Engineering
- Troy Bauder, Water Quality Specialist
- Erik Wardle, Assistant Water Quality Specialist
- Kyle Traff, Software Engineer
- Andy Bartlett, Associate Professor of Soils/Agronomy (Northeastern Junior College)

Congratulations to the team on their award! Explore the WISE tool [here](#).



Dr. Loomis Symposium

December 1, 2016 | Lory Student Center, Ballrooms C & D

For four decades Dr. John Loomis has been a leader in the field of environmental and resource economics. He performs research in the economic valuation of non-marketed natural resources such as rivers, recreational fisheries, public lands, endangered species, water quality, and forest fire management. This one-day symposium will honor Dr. Loomis, who will be retiring from CSU at the end of December.

Click [here](#) for more information.

"Water in our Future" Panel Discussion

November 17, 2016 | 6:30-9:00 pm | Behavioral Sciences Building Rm A101

This panel is hosted by the Student Sustainability Center. Speakers will be Gregory J. Hobbs, Jr., of the Colorado Supreme Court; Jeni Arndt, House Representative District 53; Reagan Waskom, Chair of the CSU Water Center and Director of the Colorado Water Institute; and Joe Meigs of Lytle Water Solutions. The panel will be moderated by Gene Kelly, Deputy Director of the Agricultural Experiment Station.

Click [here](#) to view the event poster.

IBCC/CAWA Agriculture Water Summit

November 29, 2016 | 8:00 am - 5:00 pm | Jefferson County Fairgrounds | Golden, CO

The Inter Basin Compact Committee (IBCC) is co-hosting an Ag Water Summit in partnership with the Colorado Ag Water Alliance (CAWA). The meeting will focus on exploring alternative transfer methods to help alleviate the traditional buy-and-dry of irrigated agriculture per the measurable objectives, goals, and actions detailed in Colorado's Water Plan.

Click [here](#) for more information.

2016 International Colloquium: Global Food Security & Sustainability

November 29-30, 2016 | Lory Student Center

This two-day event will feature eight panel sessions designed to give students, faculty, staff, and the public a better understanding of issues surrounding global food security and sustainability. CSU has invited experts from the public and private sectors to join faculty in an exchange of ideas on a range of topics including technology and innovation in agriculture, the relationship between food production and climate change, sustainable development, food systems, reducing food loss and waste, the link between animal welfare and food safety, and the role of nutrition in agricultural policy.

Click [here](#) for more information.

LOCAL AND REGIONAL EVENTS

Water Educator Network Symposium: Innovative Water Education in the 21st Century: Visual storytelling, using technology to share Colorado's Water Stories

November 17, 2016 | 8:15 am - 4:30 pm | Keystone, CO

Join the Water Educator Network exploring exemplary visual storytelling techniques for water and river education and outreach. Learn how you can implement visual storytelling using technology to expand your message and reach new audiences across Colorado and beyond.

Click [here](#) for more information.

Lecture: "The Roles and Impacts of Large Dams As Instruments of Development Around the World"

December 8, 2016 | 12:30 - 1:30 pm | CU-Boulder Institute of Behavioral Science, Rm 155B

Given that millions of persons are displaced annually by dams and other infrastructure investments with inadequate or no resettlement arrangements, these impacts loom as major social issues. The presentation will highlight several case studies of the impacts of large dams. This lecture will be presented by Dr. Charles "Chuck" Howe, professor emeritus of economics at the University of Colorado.

Click [here](#) for more information.

Legal Ethics in Water & Environmental Law - Workshop and Webinar

December 20, 2016 | 8:00 am - 12:00 pm | 1580 Logan St. Suite 700 | Denver, CO

This Colorado Water Congress workshop focuses upon everything from disciplinary issues to ethical principles. The workshop concludes with hypothetical ethical problems discussion.

Click [here](#) for more information.

Call for Abstracts - UCOWR/NIWR Annual Conference

Submission Deadline: January 20, 2017 | Conference Dates: June 13-15, 2017

The theme of this conference is "Water in a Changing Environment." Gaps in projected water supply and demand, water quality and reuse issues, increased food and energy needs, and a changing climate bring water resources to center stage, not only in the Western U.S., but across the continent and around the world. The conference will seek to develop trans-disciplinary and disciplinary solutions to complex water problems and explore bridges between science and policy.

Click [here](#) for more information.

Colorado Water Congress Annual Convention

January 25-27, 2017 | Hyatt Regency Denver Tech Center | Denver, CO

The Colorado Water Congress Annual Convention is the premier water industry event in the state, attracting 500+ attendees that convene for networking and collaboration on the important water issues of the day. The CSU Water Tables event will be held in conjunction with this convention.

Click [here](#) for more information.

Water Tables 2017

January 26, 2017 | Hyatt Regency Denver Tech Center | Denver, CO

This year's theme is "Refilling the Leadership Reservoir." Western water issues have long benefited from bold leaders taking great risks, bringing forth innovative solutions, and committing to creative collaborations. Ongoing political, environmental, and educational challenges require a steady flow of able individuals to keep the leadership reservoir topped off. Join the CSU Morgan Library Water Resources Archive for an evening of stimulating dinner conversation led by established and emerging water professionals widely recognized for their excellent leadership qualities. This event is held in conjunction with the Colorado Water Congress Annual Convention.

Click [here](#) for more information.

Save the Date: 4th Annual Poudre River Forum

February 3, 2017 | Greeley, CO

This annual celebration of the Poudre River convenes the wide diversity of those who care about the river to learn more about it and collaborate on the goal of a healthy, working river.

Click [here](#) for more information.

Save the Date: Governor's Forum on Colorado Agriculture

February 22, 2017 | Denver, CO

This innovative and informative program will bring together producers, consumers, experts and other ag stakeholders to peel back the polarizing rhetoric often found in today's society. The Forum will focus on the powerful history of collaboration and cooperation that has made agriculture in the state of Colorado the second largest driver of our economy.

Click [here](#) for more information.

NATIONAL AND INTERNATIONAL EVENTS

Call for Abstracts - Water History Conference

Submission Deadline: November 15, 2016 | Conference Dates: June 15-17, 2017

The Water History conference of the International Water History Association (IWHA) in Grand Rapids, Michigan, USA, will once again provide a platform to exchange and develop insights about the history of our most precious resource. The conference is co-organized by the IWHA and Western Michigan University.

Click [here](#) for more information.

World Toilet Day

November 19, 2016

World Toilet Day is about taking action to reach the 2.4 billion people living without a toilet. The theme of World Toilet Day 2016 is 'toilets and jobs', focusing on how sanitation, or the lack of it, can impact people's livelihoods.

Click [here](#) to find out more.

2016 Groundwater Week

December 6-8, 2016 | Las Vegas, NV

The National Ground Water Association's Groundwater Week will bring together professionals from all industry sectors in one convenient location to share knowledge, explore potential solutions to today's issues, and collaborate for future growth.

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.

GRANTS AND FELLOWSHIPS

USAID - India Partnerships Program

Closing Date: March 31, 2017

The India Partnerships Program supports testing, adoption and scaling of creative or innovative solutions to meet development challenges in the areas of health, food security, clean energy, gender equality, female empowerment, maternal and child health, prevention and treatment of infectious diseases, affordable health care, water and sanitation access, early grade reading, promotion of clean and renewable energy, forestry, food security, triangular cooperation, gender and financial inclusion.

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.

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.

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.



SWIM
21 credits required
minimum of 12 upper-division (300-400 level) courses

For further information, please visit www.watercenter.colostate.edu

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