

THE Core SAMPLE

Internal Newsletter of the School of Energy Resources

December | 2023

UW'S KRUTKA DISCUSSES CARBON CAPTURE AND STORAGE ON '60 MINUTES'

University of Wyoming School of Energy Resources (SER) Executive Director **Holly Krutka** was interviewed by national news

correspondent **Bill Whitaker** on "60 Minutes" as part of an episode exploring Wyoming's energy strategy and innovation in the state.

The segment on the long-running Sunday night CBS News program focused on **Gov. Mark Gordon** and his pledge to make Wyoming net negative for carbon emissions. In it, he discusses support for every type of energy development while addressing climate concerns through innovation.

[Continue Reading >>>](#)

A YEAR OF SUCCESS AND INNOVATION AT THE WYOMING INTEGRATED TEST CENTER

The Wyoming Integrated Test Center (ITC)'s year was marked by significant achievements in advancing the commercial readiness of carbon management technologies. From completion of project construction to testing on the largest carbon capture project at the facility to date, the ITC continues to bring together government, industry, and cooperatives to advance carbon technology.

The School of Energy Resources has been thrilled to add the ITC to our portfolio of programs and to collaborate with ITC developers and partners as we work to develop solutions on a suite of carbon capture, carbon utilization, and carbon storage technologies. The State of Wyoming continues to set the bar for the global energy industry, and the ITC plays a vital role in the development, and ultimate commercialization, of new carbon management technologies.

[Continue Reading >>>](#)



HIGHLIGHTS

Research Centers of Excellence

- SER partner Frontier Carbon Solutions was awarded the first Class VI permits in Wyoming for three deep wells west of Green River, Wyo. These initial wells are part of the Sweetwater Carbon Storage Hub in collaboration with the **Center for Economic Geology Research (CEGR)**.
- The Wyoming Energy Authority recommended two **CEGR**-led projects for support under the Energy Matching Funds (EMF) to help cover cost share on the "Williams Echo Springs CarbonSAFE Storage Complex Feasibility Study" and the "Integration of Produced Water Thermal Desalination and Steam Methane Reforming for Efficient Hydrogen Production Project."
- The **Hydrogen Energy Research Center HERC** completed another installment of the "Hydrogen Energy Seminar Series" in partnership with Cambridge University. HERC Research Scientists **Dayana Zhappassova** and **Will Lawler**, along with Ph.D. student **Sheida Sheikheh** presented updates on their current research.



To submit news and updates email: Christine.reed@uwoy.edu



UNIVERSITY OF WYOMING

School of Energy Resources

UW STUDENTS VISIT HYDRAULIC FRACTURING OPERATION IN NORTHEAST

Six students in the energy resource management and development bachelor's degree program in the University of Wyoming's School of Energy Resources (SER) recently visited a hydraulic fracturing operation in northeast Wyoming.



The WRC Energy Group, an independent oil and natural gas company that was formed through the combination of Wold Energy Partners LLC and Rebellion Energy II LLC, and Camino Natural Resources LLC are currently fracking two horizontal wells to completion north of Glenrock. [Continue Reading >>>](#)

SCHOOL OF ENERGY RESOURCES CELEBRATES FALL 2023 GRADUATES

The growing academic programs at the School of Energy Resources (SER) recognized ten individuals at the Winter Commencement Ceremony on Saturday, December 16.



Talbot Carter of Hinsdale, Ill, **Nathan Kessler**, of Buffalo, Wyo., **Jacob Schneider**, of Cincinnati, Ohio, and **Trace English**, of Torrington, Wyo. received a Bachelor of Science degree in Energy Resource Management and Development (ERMD).

In addition to the B.S. in ERMD, SER offers a minor in Energy Resource Management (ERM), and recently launched two new certificate programs, one in Land Administration and one Carbon Capture, Utilization, and Storage (CCUS).

Supplementing their degrees with the ERM minor were **Noah Forbes** of Cheyenne, Wyo., **Nathaniel Morneau** of Lander Wyo., and **Jacquelynn Van Vleet** of Wright, Wyo.

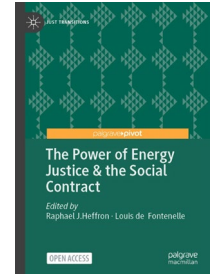
Newly available, the certificate programs provide students and working professionals alike with the skills to take on new challenges and advance their careers. Having completed all of the requisite coursework, **Braidyn Bristow** of Erie, Colo., **Molly Murnane** of Crofton, MD., and **Christine Reed** of Laramie, Wyo. received inaugural certificates in Land Administration.

[Continue Reading >>>](#)

HIGHLIGHTS

Academics

- SER Professor of Law **Tara Righetti** published a chapter in the international release of the book, *The Power of Energy Justice & the Social Contract*. Her chapter, "Just Transitions in Extractive Territories," focuses on the issues faced by fossil-based communities.



- SER Professor of Engineering **Maohong Fan** was named to the National Academy of Inventors, a member organization comprising U.S. and international universities.



- SER Professor of Geology & Geophysics **Dario Grana** stepped into the role of interim department head for the Department of Geology & Geophysics in fall of 2023.



General

- The generous faculty and staff at the School of Energy Resources were pleased to support Family Promise of Albany County for the holiday charity! This community-wide service provides diaper and hygiene products to Laramie community members through a low barrier and discrete process.



SER'S CENTER FOR ENERGY REGULATION AND POLICY ANALYSIS RELEASE FIRST WHITE PAPER EVALUATING AN INTEGRATED NUCLEAR INDUSTRY

The Center for Energy Regulation and Policy Analysis (CERPA) in the School of Energy Resources (SER) released the first in a series of six white papers exploring and evaluating the components of a domestic integrated nuclear industry.

The paper, "Wyoming's Nuclear Supply Chain Opportunities and Challenges: Uranium Enrichment," quantifies the opportunities and the economic outcomes of fostering a uranium enrichment industry in Wyoming.

Leveraging economic and industry expertise, the paper was collaboratively authored by **Alex Gebben**, an energy economist in the UW Center for Business and Economic Analysis, and CERPA Nuclear Industry Research Consultant **Michael Peck**. Peck previously served as a senior resident inspector at the Nuclear Regulatory Commission and as a reactor engineer.

[Continue Reading >>>](#)

UW AND SER HAVE MAJOR PRESENCE AT ANNUAL GEOLOGICAL SOCIETY OF AMERICA MEETING

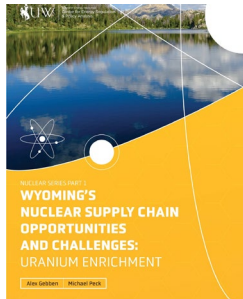
The University of Wyoming and the School of Energy Resources (SER) had an impressive presence at the annual Geological Society of America (GSA) meeting in Pittsburgh, Penn. October 15-18.



In addition to UW professionals and students presenting on multiple talks, panels, and poster sessions, Research Scientist **Lily Jackson** in SER's Center for Economic Geology Research, along with SER Program Manager **Erin Phillips** were heavily involved in the planning and organization of the event.

Jackson, who serves on the board for the Geology and Society Division for GSA, and Phillips co-convended a Pardee Symposium titled, "Addressing Society's Urgent Need for Critical Minerals: From Policy to Practice." The session featured six speakers, a moderated panel discussion, and recorded addresses from U.S. Senators **John Barrasso** (Wyo.) and **Joe Manchin** (W. Va.).

[Continue Reading >>>](#)



IMPORTANT DATES

- **UW Offices Reopen**
January 3, 2024
- **Joint Appropriations Committee Meeting**
January 8, 2024
- **Martin Luther King Jr. Day - Office Closed**
January 15, 2024
- **First Day of UW Classes**
January 16, 2024

SER BIRTHDAYS!

DECEMBER

Lily Jackson, Dec. 9

Dayana Zhappassova, Dec. 15

Kyle Summerfield, Dec. 23

Grant Copeland, Dec. 24

Reminder: If you want your birthday recognized, please update your information with Kristi Russow at krussow@uwyo.edu.

ENERGY JOKE

