

THE Core SAMPLE

Internal Newsletter of the School of Energy Resources

April | 2023

SER'S KASZUBA ANNOUNCED AS RECIPIENT OF UW FOUNDATION STEWARDSHIP AWARD FOR 2023

John Kaszuba, the University of Wyoming's John and Jane Wold Centennial Chair in Energy and School of Energy Resources Professor of Geology and Geophysics, was named a 2023 recipient of the UW Foundation Stewardship Award.



The Award recognizes commitment to providing high-quality stewardship through meaningful and personalized interactions with donors, students, and faculty. It is designed to bring about a greater knowledge and awareness of effective stewardship practices and relationship-building opportunities and to give special recognition to those faculty members who make outstanding contributions to the culture of philanthropy at UW.

Kaszuba was nominated by SER Executive Director **Holly Krutka** and SER Academic Director **Kami Danaei**. He was recognized for his dedication to building a lasting relationship with the Wold Foundation and the Wold companies.

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SCHOOL OF ENERGY RESOURCES FEATURED PROMINENTLY AT AAPG CCUS CONFERENCE IN HOUSTON

Members of the School of Energy Resources presented at the American Association of Petroleum Geologist's (AAPG) Carbon Capture, Utilization, and Storage (CCUS) conference in Houston, Tex., April 25-27.

SER Executive Director **Holly Krutka**, along with researchers **Tao Bai** and **Peng Li** in the Center for Economic Geology Research (CEGR) are all participating in panel discussions to talk about the advancements SER has made in the area of carbon storage.



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HIGHLIGHTS

Research Centers of Excellence

- Research Scientists **Lu Lee**, **Bob Gregory** and Project Specialist **David Lucke** in the *Center for Economic Geology Research (CEGR)* removed the remaining seismic geophones around the CarbonSAFE site.



- Senior Director of Research **Scott Quillinan** traveled to Cardiff, Wales with members of the UW leadership community to work on partnership opportunities with Cardiff University.



- Co-Director of the *Wind Energy Research Center (WERC)* **Michael Stoellinger** produced a study in collaboration with a wind energy company that provided new insights into the use of high-performance computing to predict wind resources.



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- Director of the *Center for Energy Regulation and Policy Analysis (CERPA)* **Kara Fornstrom**, along with CERPA Research Scientist **Maddie Lewis**, and Associate Lecturer **Kris Koski**, spoke to College of Law students on CCUS and regulatory obstacles.

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



UNIVERSITY OF WYOMING

School of Energy Resources

UW SER AND CARDIFF UNIVERSITY LAUNCH HYDROGEN ENERGY WEBINAR SERIES

The Hydrogen Energy Research Center (H₂ERC) in the University of Wyoming's School of Energy Resources is partnering with Cardiff University in Wales, United Kingdom, to launch a webinar series that focuses on emerging topics in hydrogen energy.

The first webinar in the series featured **Eugene Holubnyak**, UW's H₂ERC director, and **Meysam Qadrdan**, a professor of energy networks and systems at Cardiff University. They discussed topics such as hydrogen hubs in the U.S. and energy infrastructures, and an overview of the current challenges that the U.K. faces to achieve its net-zero goal by 2050.

Through the partnership, a webinar is planned for each month over the course of the year, with researchers taking turns from each institution to showcase their work and make connections with each other.

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UW RECEIVES FACULTY ADVANCEMENT GRANT FROM NUCLEAR REGULATORY COMMISSION

The U.S. Nuclear Regulatory Commission's (NRC) Office of Nuclear Regulatory Research recently announced the University of Wyoming has been selected for a Faculty Development Advancement Award as part of the NRC's University Nuclear Leadership Program.

The award was announced in person by Commissioner **Annie Caputo** and **Raymond Furstenau**, director of the Office of Nuclear Regulatory Research from the NRC, at UW's Research Explorations for Nuclear Energy in Wyoming (RENEW) event April 14.

The \$600,000 award is intended to support new faculty in the nuclear-related fields of nuclear engineering, health physics and radiochemistry, and it advances the NRC's goal of focusing on university-led projects that complement current and future research needs.

UW's School of Energy Resources will augment the funding with an additional \$100,000.

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HIGHLIGHTS

Research Cont.

- **Eugene Holubnyak**, SER's *Hydrogen Energy Research Center (H₂ERC)* director; **Selena Gerace**, a research scientist in both the *CERPA* and *CEGR*; and **Tara Righetti**, the Occidental Chair in Energy and Environmental Policies and SER Professor of Law, co-wrote a report outlining potential markets and evaluating state-level legal, regulatory, economic and technology implications for nuclear microreactor applications in U.S. markets. [READ MORE >](#)



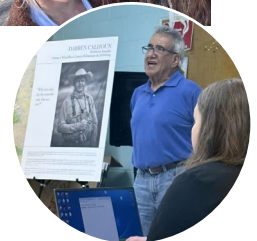
Outreach

- Outreach Director **Christine Reed** traveled with *CEGR/CERPA* research scientists **Selena Gerace**

and **Maddie Lewis** to the Wind River Reservation on two occasions to attend tribal community meetings as



part of the continued efforts to increase tribal engagement. The meetings were hosted by **Wes Martel** of the Greater Yellowstone Coalition.



- Executive Director **Holly Krutka** gave a presentation to engineering students at the AIChE regional conference held in Laramie.



SCHOOL OF ENERGY RESOURCES SEEKS ENERGY AND ENVIRONMENTAL SYSTEMS DIRECTOR

The School of Energy Resources is seeking applicants from current University of Wyoming faculty members to serve as the director for the Energy and Environmental Systems (EES) concentration in the Energy Resource Management and Development (ERMD) undergraduate degree program.

The appointment will be effective July 2023 and correspond with the academic year at UW. As Director of EES at SER, a successful candidate would receive a stipend of \$10,000 per Fiscal Year to provide administrative support to students in the concentration, and to facilitate connections between students, professional organizations, and potential employers in the field.

Interested candidates should have experience in a related field and must be a full-time UW faculty member. Those seeking consideration for this position should email a one-page letter of intent and a current CV to **Kami Danaei**, SER Academic Director at kdanaei@uwyo.edu by May 26, 2023.

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SER WELCOMES ENERGY ECONOMIST TO HYDROGEN ENERGY RESEARCH CENTER

The School of Energy Resources is pleased to welcome **Dayana Zhappassova** to the research team in the Hydrogen Energy Research Center (H₂ERC).

Originally from Karaganda, Kazakhstan, Zhappassova earned her Bachelor's degree in Finance and her Master's in Economics from the University of Wyoming. Before joining SER, she previously worked in the Peter M. & Paula Green Johnson Student Success Center at the College of Business. In addition to her new role in H₂ERC, she is concurrently working on her Ph.D. in Economics at UW.

Zhappassova brings with her an abundance of knowledge and training in analyzing emerging markets, and has cultivated an area of specialization in economic rationale and decision making. She will be applying her expertise on the carbon capture and net-zero efforts being led in the Center, with the first area of focus being on water-related issues.

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HIGHLIGHTS

Outreach Cont.

- The School of Energy Resources in collaboration with the UW Alumni Association hosted an event for UW alumni in the Houston area in conjunction with the AAPG CCUS Conference.



- UW doctoral student **Rami Alloush**, of Damanhour, Egypt, was named the winner of the Energy Vault Student Competition hosted by SER.



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SCHOOL OF ENERGY RESOURCES WELCOMES HELEN QIN TO SUPPORT ACADEMIC AND OUTREACH EFFORTS

The School of Energy Resources is pleased to welcome **Helen Qin** as a senior office associate to help support the outreach efforts and academic programs in the department.

Originally from Heilongjiang, China, Qin has dedicated much of her professional expertise to higher education and brings with her a diverse educational background that will help build upon SER's excellence in teaching and research.

In her new role, Qin will predominantly be working with SER Academic Director **Kami Danaei** and will also help support the outreach and community engagement events led by SER Director of Outreach **Christine Reed**.

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PLEASE SHARE CURRENT OPEN POSITIONS AT SER:

GEOPHYSICIST RESEARCH SCIENTIST, SENIOR >

CERPA RESEARCH SCIENTIST, SENIOR >

CERPA ASSISTANT RESEARCH SCIENTIST, ENERGY ECONOMIST>

ASSISTANT RESEARCH SCIENTIST, GEOSPATIAL ANALYST >

COLLEGE RELATIONS REPRESENTATIVE >

IMPORTANT DATES

- **SER Graduation Reception**
May 13, 2023
- **SER Spring Commencement Ceremony**
May 13, 2023
- **Energy Resources Council Directors Reports Due**
May 19, 2023
- **CarbonSAFE Legal and Regulatory Workshop**
May 22-23, 2023
- **Energy Resources Council Presentation Slides Due**
May 26, 2023
- **Cardiff University/H₂ERC Webinar 2**
May 30, 2023
- **June Energy Resources Council Meeting**
June 1-2, 2023
- **Cardiff University/H₂ERC Webinar 2**
June 22, 2023

