



February 28, 2022



PUBLIC LECTURE SERIES

Montana Tech's Public Lecture Series will host Leanne Gilbertson, PhD, an Associate Professor in Environmental Engineering and a Fulton C. Noss Faculty Fellow at the University of Pittsburgh, on **Wednesday, March 2, 2022 at 4:00 pm**. Her presentation is titled, "Sustainable Materials, by Design." The presentation is accessed via ZOOM only.

MONTANA TECH GRADUATE STUDENT DEFENSE

John Allard, M.S. candidate in Geoscience, will present his graduate defense on **March 4, 2022 at 11:00 am**. The title of his presentation is *Mineralogy, Isotope Geochemistry and Geothermometry of the Lowry Deposit, Black Butte Copper Project, Meagher County, Montana*. The presentation will take place in MG 201 or via Zoom (meeting ID: 826 2615 1757, passcode: 949084).

BUTTER BRAID FUNDRAISER

The Talent Search programs within the Institute for Educational Opportunities at Montana Tech are raising funds for student scholarships by selling Butter Braids. Braids are \$15 each, and 40% goes to the scholarship fund. The fundraiser will go through **March 6, 2022**. Feed your dessert cravings and help worthy seniors! If you have questions, please contact Michelle Christianson, Director of Talent Search programs, at 406-439-2387 or mchristianson@mttech.edu. You can also order [HERE](#).

VOLUNTEERS NEEDED FOR SCIENCE BOWL

Preparations are underway for the 2022 Big Sky Regional Science Bowl on **March 12, 2022**. Volunteers are needed for this academic competition which will be 100% virtual. The Science Bowl is a fast-paced competition in which students answer questions from a range of disciplines including biology, chemistry, Earth science, physics, energy and math. The Science Bowl was created by the DOE in 1991 to encourage students to excel in

mathematics and science and to pursue careers in these fields. The winning team of the Regional Bowl will compete in the National Science Bowl in Washington DC.

As the competition is virtual, everything will be done on computers and video cameras. Below is a list of tools you will need to have. These tools are not provided to judges:

- A computer with a camera and microphone (a cell phone is alright too)
- A location with reliable internet access and decent lighting
- A timer if you are a timekeeper (virtual or otherwise)

Volunteers are needed for the following positions: moderator, science judge, scorekeeper, rules judge, and timekeeper. If you would like to volunteer for the event, please email Brianna Haug, Transmission System Planning Engineer, Western Area Power Administration | Upper Great Plains Region at bhaug@wapa.gov.

For more information, please visit <https://science.osti.gov/wdts/nsb/Volunteers>.

CARBON ORE, RARE EARTH, AND CRITICAL MINERALS INITIATIVE

The Montana Bureau of Mines and Geology (MBMG) and Montana Tech Department of Metallurgical and Materials Engineering have partnered with the Wyoming School of Energy Resources and the North Dakota Energy and Environmental Research Center for two of the 13 projects funded nationwide by the U.S. Department of Energy Carbon Ore, Rare Earth, and Critical Minerals (CORE-CM) Initiative. Jay Gunderson, Geologist and Professor (MBMG) and Dr. Jerome Downey, Professor of Metallurgical and Materials Engineering (Montana Tech) will lead the research on Montana's Powder River and Williston basins.

The CORE-CM Initiative supports research focused on expanding and transforming the use of coal and coal byproducts to produce non-fuel carbon-based products, rare earth elements (REE), and critical minerals (CM). The project aim is to secure a domestic supply of critical minerals that extends from resource extraction to downstream manufacturing of high-value materials and products. Phase-I is a two-year period to 1) identify potential sources of REE and CM in the Powder River Basin and the Williston Basin, and 2) evaluate the applicability of current REE and CM extraction and beneficiation processes that could be applied to coal and coal byproducts.

SCAN TO EMAIL ETIQUETTE

When using the Scan to Email function on campus copiers, be sure to send your scanned copies only to yourself. Sending to multiple people directly from the scanner has the potential for the account to get blocked for sending suspected SPAM due to hourly/daily sending limits. Also, by sending the message to yourself you can modify the Subject, the file name of the attachment, and provide details of what you are sending. Furthermore, the recipients of your message will recognize it as coming from you and not suspect it as potential SPAM or Malware.



UPCOMING EVENTS

YOGA Mondays & Fridays | 12:00 pm | HPER Dance Studio

PILATES Tuesdays | 12:00 pm | HPER Dance Studio

3/3 HOPES Mentor Session | 3:00-4:30 pm | Register [HERE](#)

3/4

Tech Day | 9:00 am-4:00 pm

First Friday Speaker Series: Liza Dennehy, Attorney at Law | 11:00 am | URC Bob and Pauline Poore Room

3/10-3/11 Board of Regents | Dillon

3/17 St. Patrick's Day Parade | 12:00 pm | Uptown Butte

3/24

HOPES Mentor Session | 3:00 pm-4:30 pm | Register [HERE](#)

Scholars Reception | 5:00-7:00 pm | SSC

3/25 Digger Con (for admitted students) | 9:00 am-4:00 pm

3/31 HOPES Mentor Session | 3:00-4:30 pm | Register [HERE](#)

3/31 Spring Book Club (Chapter 6) | 3:00 pm | Copper Lounge

