



Society for
Mining, Metallurgy
& Exploration®

Washington DC Section

The Washington DC Section of SME Proudly Presents:

Design, Development and Testing of a Pilot Plant for Rare Earth Element Recovery from Coal-Based Sources

Presented by Dr. Rick Q. Honaker

Studies funded by the U.S. Department of Energy into the recovery of rare earth elements (REEs) from coal-based sources have resulted in the design and development of a ¼-tph pilot-scale processing facility. The pilot plant integrates mineral and hydrometallurgical processes to allow multiple feed stocks to be processed. The presentation will review the design aspects of the pilot plant and provide results obtained from laboratory studies and pilot plant performance.

Date: Wednesday, January 8, 2020

Time: 12:00 noon

Location: US Department of the Interior - Stewart Udall Building, Room 1548. The building address is 1849 C St. NW, Washington, DC. For more Information please see the following page.



About the Speaker: Dr. Rick Q. Honaker is a Professor of Mining Engineering at the University of Kentucky (UK). He received his B.S., M.S. and Ph.D. degrees in Mining and Minerals Engineering from Virginia Tech. Over his 27-year career, Dr. Honaker has developed an extensive research program in extractive metallurgy and received many awards recognizing his contributions including the Frank Aplan Award in 2007 and the Robert H. Richards Award in 2015.

SPECIAL NOTICE: This year the Washington - DC Section has changed the venue and format venue for our monthly meetings.

MEETING VENUE: We will hold our monthly meetings downtown at the US Department of the Interior Stewart Udall Building, Room 1548. The building address is 1849 C St. NW, Washington, DC.

Please enter through the C Street entrance at 1849 C St. NW, Washington, DC (near the corner of 19th Street NW and C Street NW). All participants must go through security at the public entrance so bring a valid government issued ID such as a drivers' license and allow an extra 5 minutes to go through security screening (metal detector, etc.).

The nearest Metro station is Farragut West on the Blue/Orange/Silver Lines. The walk is approximately 6 blocks (about 1 mile). Buses do go between the Metro Station and the Interior Department. See Metro's website for details: <https://www.wmata.com/>

There is limited metered street parking around the building for two hours, costing around \$4.00, which may or may not be available depending on activity downtown. Public parking is also available at 1900 E St NW.

Limited parking for government employees is available at the Department of the Interior Building. Please see the information below for all details in order to obtain a parking permit. Of particular note is that requests for parking **MUST** be submitted at least two full business days before the date of the meeting and permits are issued on a first come-first serve basis. (It is suggested you submit your request as soon as you have decided that you will attend the meeting). The request needs to have the following information:

Date of parking/Time of day: (10:30 to 1:30 suggested)

Purpose: "SME-DC meeting, US Geological Survey sponsor", Room 1548

Driver's name/Driver's phone number

Make/Model/year of vehicle

License Plate Number/State vehicle is registered

Government vehicle? Yes/no

Send request to Angela Moyer at amoyer@usgs.gov and cc kzackschewski@usgs.gov

MEETING FORMAT:

Please note that we are also changing the format of the meetings. We will not be serving lunch, however you may eat at the Department of Interior Cafeteria or elsewhere prior to the meeting. It may also be permissible to eat in the conference room. The cafeteria is located in the basement of the building. Take the stairs or elevator down as you leave the security checkpoint and follow the signs to the cafeteria.

Conference Room 1548 is located on the first floor. Take the stairs or elevator just north of the cafeteria entrance and continue north along the main corridor until you reach the sign directing you to the hallway with Room 1548. It is the second hallway on the left after coming up the stairs from the cafeteria.

The meeting schedule will be as follows:

11:00 am - 11:45 am	Set up, socialize, have lunch (either in the cafeteria or room).
11:45 am - 12:00 pm	Sign in, get seated.
12:00 pm - 12:45 pm	Speaker.
12:45 pm - 1:00 pm	Clean up, depart.

In order to streamline things and to ensure we don't take too much of everyone's time, we will start the speaker at 12:00 pm sharp, so please be in the room by 11:45 am. We must be out of the room by 1:00 pm.