



GRAND CHALLENGES SCHOLARS PROGRAM

COLORADO SCHOOL OF MINES

NOVEMBER 15, 2018 NEWSLETTER

GCSP@Mines Announcements

Four Scholars represent Mines at the GCSP Annual Meeting in Washington, D.C.

Josh Stackhouse, Michael Thuis, Sarah Ingram, and Paul Barker represented GCSP@Mines at the National Academy of Engineering October 29-30 for the Grand Challenges Scholars Programs Annual Meeting (pictured at right). The Mines folks heard from GCSP alumni, industry representatives, and keynote speakers about the importance of tackling big engineering problems and collaborating with like-minded partners.



GCSP-Payne Institute-McBride Honors Program Speaker

The GC Grand Council is working to bring a high-profile speaker to campus in partnership with the Payne Institute and the McBride Honors Program. To help identify a potential speaker, they would love to hear who you want to hear from! Please fill out this survey to vote for potential speakers: <https://goo.gl/forms/oESzODjdg0L3t6eb2>

Save the Date! Events for Mines Grand Challenges Scholars and Prospective Scholars

GCSP@Mines Holiday Dinner – Thursday, November 29, 6pm – Location TBD

All Scholars are invited to join us for a holiday dinner the evening of Thursday, November 29 at 6pm. This event will be held at a restaurant in downtown Golden. We will send out the specific location the week of the dinner, but would like to collect RSVPs now. We hope all our Scholars will be able to come! Please fill out this form if you plan to join us: <https://goo.gl/forms/CHwMd9LOmSVNnDjD2> .

Livestream – Speaker Series on the GCEs – Tuesday, November 20, 6-7pm

In partnership with the Kern Entrepreneurial Engineering Network (KEEN) and the Grand Challenge Scholars Program at Arizona State University, the National Academy of Engineering invites you to an engaging speaker series focusing on the Grand Challenges for Engineering. Esteemed speakers from across the nation will come to ASU to share their expertise and discuss and answer probing questions on how to address the grand challenges our world faces. On Tuesday, November 20 from 6-7pm MST, Dr. Edward Kavazanjian, Jr., Regents Professor and Ira A. Fulton Professor of Geotechnical Engineering at ASU and NAE member will discuss the Grand Challenge to restore and improve urban infrastructure within the theme of sustainability. To register to attend by livestream, visit <https://entrepreneurship.engineering.asu.edu/innovation-initiatives/nae-grand-challenges-for-engineering-speaker-series>.



GCSP@Mines students on a tour of the National Renewable Energy Laboratory in Golden in October.

To put on your radar: Other events and items of interest

Oman Humanitarian Desalination Challenge – Accepting team applications now!

Mines has been contacted by MEDRC Water Research, an International Organization mandated to find solutions to fresh water scarcity. They have announced a major new prize in water research, the ‘Oman Humanitarian Desalination Challenge’. The Challenge is a global water prize worth \$700,000 for the individual or team that delivers a hand-held, stand-alone, low-cost, desalination device suitable for short-term use and rapid deployment in the event of a humanitarian crisis. The University approached the GCSP@Mines to see if any Scholars want to form or join a team working towards this challenge! Contact Dr. Tzahi Cath (tcath@mines.edu) to join a team. This would qualify for your Entrepreneurship or Project/Research-Based Learning pillars.

Internship opportunity - Oak Ridge National Laboratory

Oak Ridge National Laboratory is the largest US Department of Energy science and energy laboratory, conducting basic and applied research to deliver transformative solutions to compelling problems in energy and security. ORNL’s diverse capabilities span a broad range of scientific and engineering disciplines, enabling the Laboratory to explore fundamental science challenges and to carry out the research needed to accelerate the delivery of solutions to the marketplace. If you are interested in an internship at Oak Ridge, contact Dr. Moody E. Altamimi (altamimime@ornl.gov; (865)241-9700) and tell her that you are a Grand Challenges Scholar!

On-Campus job - The Payne Institute (<https://payneinstitute.mines.edu/>)

The Payne Institute is the public policy institute at Mines. The Institute’s mission is to connect the academic research of campus with those engaged in public policy dialogues. The Institute is currently looking for a work study student or intern to support our work for 8-10 hours a week on a flexible schedule. Primary duties will be web editing, social media, marketing events, and a variety of administrative activities. Additional duties include researching relevant issues and draft pieces for the Payne Institute Commentary series. Apply at <https://mines-csm.symplcity.com/employers/index.php?s=jobs&ss=jobs&ksl=1&mode=list> and tell them you are a Scholar!

Welcome, new Scholars!

GCSP@Mines welcomed **eight** new Scholars in October! Join us in welcoming Donald Cameron, Elior Makler, Elizabeth Youssef, and Samantha Faddis (pictured starting on the upper left and moving clockwise).

Our October 29 newsletter introduced our four other new Scholars.

If you missed our October application deadline, the next one will be in late February or early March! Watch the Daily Blast or this newsletter.

