

The latest news from Chemical and Biological Engineering at Mines.

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FROM THE TOP



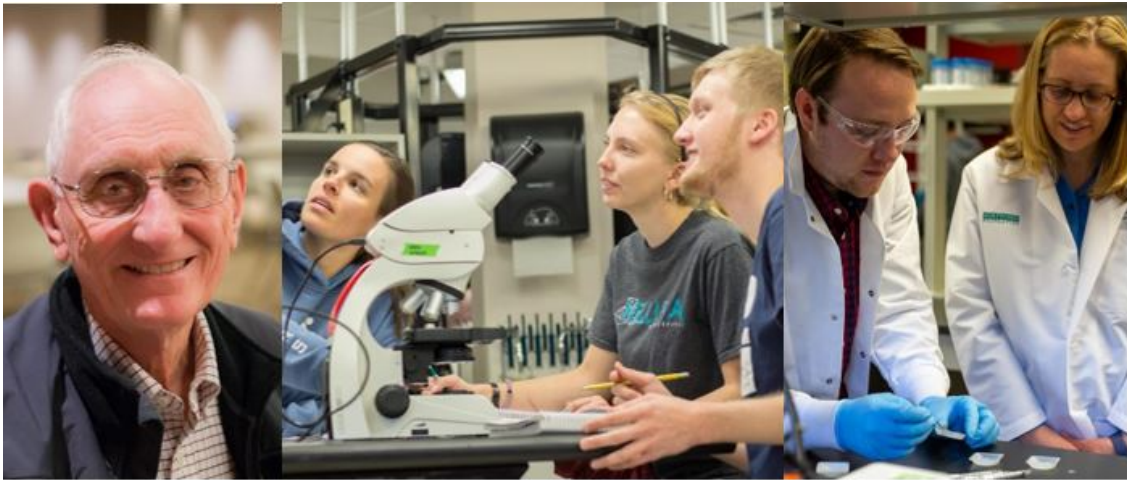
Dear Friends & Supporters of CBE,

Welcome to the department's spring newsletter. This last year was like none other! The pandemic brought significant challenges and stress, but I am proud to report how well CBE and Mines navigated our way through these difficult times. We not only maintained our programs, but increased our research productivity and continued our high teaching standards, while offering half of our classes face-to-face. Mines successfully kept the infection rate in check through a combination of following COVID guidelines, social distancing and testing. Because of these efforts, we will be offering our summer field session in-person and the fall semester is expected to be back to "normal" in a face-to-face setting. We are grateful to our students, faculty and staff for working tirelessly and to our alumni for their support during these trying times. We are also very thankful for the Mines COVID team in leading our response. The pandemic brought out the best in all of us, showing the Oredigger spirit is truly alive. We are happy to share the accomplishments of our amazing students, faculty, and alumni. I hope you enjoy reading it! Until next time....

Anuj Chauhan
Department Head

TOP STORIES

Honoring Mines' past, celebrating the present and enabling future possibilities



The 2021 #idigmines campaign sees department funding increase



Thank you for participating in [#idigmines Giving Day](#) on [February 4th](#)! Donations increased by 55% in the department since last year's event!

Mark your calendars for [#idigmines Giving Day](#): [February 3, 2022](#). We hope that with your continual support, we can exceed next year's goals.

[Read a message from Department Head Anuj Chauhan](#)



According to [College Factual](#), Mines' Chemical and Biological Engineering program was ranked #10 in best colleges for chemical engineering.

[More about the ranking »](#)

FACULTY NEWS



Boyle named Scialog Fellow

[Nanette Boyle](#) was named the 2020 Scialog Fellow, receiving two awards for her projects.

[Read more about Boyle's work »](#)



Cash awarded NIH and DOE funding

[Kevin Cash](#) was also selected as a fellow for Scialog: Advanced Imaging and received NIH and DOE funding to support nanosensor research.

[Read more »](#)



International awards

Carolyn Koh won two awards in 2021, the **ICChemE Guggenheim Medal** and the **Yeram S. Touloukian Award** for her work in hydrates research.



Tompkins named DARPA director

Stefanie Tompkins, former Mines VPRTT, will return to DARPA where she previously served as acting deputy director.

[Read more about her work »](#)

Faculty promotions, awards and honors

- **Michael Barankin** promoted to **Teaching Associate Professor**
- **Nanette Boyle** promoted to Associate Professor and **received a Fulbright award**
- **Moises Carreon** promoted to **Professor**
- **Tracy Gardner** elected to the **Board of Trustees**
- **Melissa Krebs** received funding for her company, **GelSana Therapeutics**, and was chosen to participate in a special edition of the journal "2021 Class of Influential Researchers - The Americas"
- **Stephanie Kwon** became member of **ACS catalysis early career advisory board**
- **Rachel Morrish** promoted to Teaching Professor
- **David Wu** became **Director of the Institution of Chemistry of the Academia Sinica**

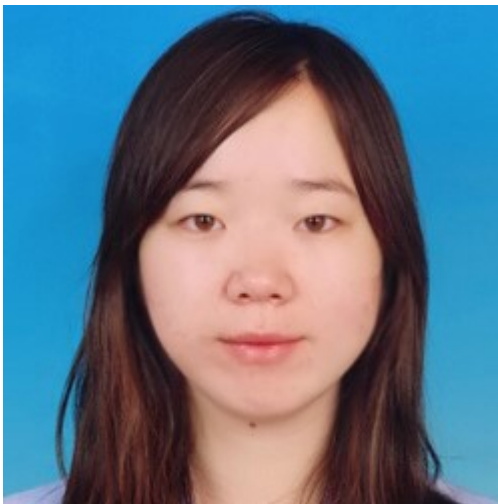
[More faculty news »](#)



Gasvoda wins scholarship at AVS 2020

Graduate student Ryan Gasvoda won the [Dorothy M. and Earl S. Hoffman Scholarship at AVS 2020](#). The scholarship consists of a cash award, a certificate and reimbursed travel support to attend the international symposium.

CBE graduate students receive best presenter awards



Yinan Liu (left) and Abigail Meyer (right) received best presenter awards in the Silicon for Photovoltaics Symposium at the Fall Materials Research Society (MRS) meeting in December 2020. [More student news »](#)



Meghana Shivananda Murthy received the [Society for Biomaterials Student Travel Achievement Recognition \(STAR\)](#) award. Sydney Marchando won an honorable mention for her work entitled "[In vitro analysis of hMSCs on Polyelectrolyte Complexes in the Context of Physeal Injuries](#)".

Mines AIChE group



Mines AIChE group is consistently looking for ways to have current CBE undergraduate students connect with companies and alumni. AIChE's most notable events include their Lunch and Learn on Fridays and bi-annual Rotational Dinner. If you are interested in supporting the AIChE group or joining one of their events, please reach out to cbe@mines.edu.

[More about our student groups »](#)



March 23rd BioTech panel

The Mines career center in collaboration with AIChE and department faculty invited industry leaders in the biotechnology field to a panel discussion for undergraduate students interested in a career in the biotech industry.

[More about the biotech panel »](#)

Recognizing outstanding student workers

The top [student employee of the year awards](#) were received by CBE's own

We also want to give a shoutout to our student workers in the department. We appreciate all of you and are unable to pick just one to highlight to receive the best student employee award. You are all amazing workers!

Annual department senior awards reignite tradition

Pre-pandemic, CBE held their annual senior awards the week before finals in a celebration with BBQ and friends. Although not exactly like previous year, the tradition was brought back this year in an effort to increase morale and give one last "Hoorah!" to those graduating.

Student awardees included:

- **Outstanding Graduating Senior:** Sydney Marchando
- **Harrison Hays:** Emily Rotert and Christopher Waid
- **Selim Memorial:** Kameron Liao and Cecilia Nepple
- **Pearson Potential:** Jacob Resendez

Congratulations Class of 2021! You did it!

REMEMBERING OREDIGGERS



John Golden graduated with a bachelor's and master's degrees from Vanderbilt University and he received his PhD in Chemical Engineering in 1964 from Iowa State University. He spent most of his career at Colorado School of Mines, beginning in 1967. Golden was a Professor, the Director of Research Services, the Dean of the Graduate School, and the Vice President for Academic Affairs. He later served as the Chief Academic Officer of the Petroleum Institute of Abu Dhabi.



Kathleen Wiltsey '77 died Feb. 2, 2021. Wiltsey spent her career as a biotechnology company executive and was instrumental in bringing life-changing drugs to market. When she later moved on to the nonprofit sector, much of her work involved promoting science and mathematics. In 1989, the *Wall Street*

Distinguished Achievement Medal in 2003.

Interested in more alumni stories? Check out the department's [new alumni website](#).

SHELL SEMINAR SERIES



Colloquium continues despite pandemic

Shell sponsored seminars allow students and faculty to learn about recent advancements made in chemical engineering and provide networking opportunities.

[Check out the seminar series sponsored by Shell »](#)

ALUMNI NEWS



Bryan McCloskey '03 is an Associate Professor and the Vice Chair of Graduate Education in the Department of Chemical and Biomolecular Engineering at the University of California, Berkeley. As an undergraduate, he worked with Keith Gneshin, David Petrick, Andy Herring, and Tom McKinnon on the characterization of biomass char pyrolysis. [More about McCloskey »](#)



Sara Schuster '15 is currently completing her residency in Family Medicine at St Anthony North Hospital. As an undergraduate, she was a part of the McBride Honors Program and minored in Bioengineering and Life Sciences. After Mines, she went straight on to the University of Colorado Medical School and graduated with her MD in 2019. [More about Schuster »](#)

a proposed graduate online certificate program.
The [quick survey can be found here](#). We appreciate your input.

SUPPORT CHEMICAL & BIOLOGICAL ENGINEERING



We'd love to reconnect with alumni! Send us an email with your news and updates at CBE+Alumni@mines.edu.

We would also like to thank all of our alumni and friends who have donated to the department through the [MINES@150](#) and [#idigmines](#) campaigns or through separate donations. A gift to the Colorado School of Mines Department of Chemical and Biological Engineering is an investment in the future. To learn more about [supporting the department](#), contact the Mines Foundation.

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