



News from C&PE | Upcoming Events | New Publications | Quote of the Month

December 8th, 2017

Fall Graduates and Recognition

Please join us tomorrow, Saturday, December 9th at 9:00AM to celebrate the achievements of our Fall 2017 Graduates.

The following CPE students will be graduating this fall:

Undergraduate

In Chemical Engineering:

Sahel Suliman Alakel and Zachary Bonser

In Petroleum Engineering:

Mutaz Hashim Alabdulmohsen, Fahad Riyad Alqattan, Nickson Baselle, Aniket Chatterjee, Palmer Harrison, Nkechukwu Chimdindu Ibemesi, Paa Kwesi Imbeah, Joseph Kimbrell, Tri Vu, and Yuhao Yang

M.S.

Rudhra Anandan successfully defended his Petroleum Engineering Master’s thesis on Sept 1st. Title: “Polyelectrolyte Complex Stabilized Supercritical CO2 Foam Systems Used for Hydraulic Fracturing Applications.” Reza Barati was his research advisor.

Siyon Liu defended his Petroleum Engineering Master’s thesis on Nov 30th. Title: “Prediction of Capillary Pressure and Relative Permeability Curves using Conventional Pore-scale Displacements and Artificial Neural Networks.” Amirmasoud Kalantari will continue to be his research advisor as Siyan stays here at KU to complete his Ph.D.

Congratulations to all of our Fall Graduate!

In Other News

Franklin (Feng) Tao named Fellow of the American Association for the Advancement of Science

CPE faculty member Dr. Tao recently was named a fellow of the American Association for the Advancement of Science (AAAS). Tao received the honor for distinguished contributions to the field of in situ/operando studies of materials at a molecular level, particularly catalysts under reaction condition and during catalysis. Tao came to KU in 2014 and is the recipient of a National Science Foundation CAREER award for his work. KU now has 23 active faculty members who are AAAS Fellows. For more information, click [here](#).



Tomas Green named Mitchell Scholarship Nominee



Tomas Green, a senior studying chemical engineering, has applied for the Mitchell Scholarship, which provides funding for one year of study in Ireland. Green of Lynnwood, Washington, graduated from Meadowdale High School. He is the son of Guy and Aina Green. Green is majoring in chemical engineering with a minor in public policy. Green has been involved with several organizations at KU, including the KU Student Senate, the Student Environmental Advisory Board and the Dole Institute of Politics. Off-campus he has worked with the Willow Domestic Violence Center and the Citizens Climate Lobby. He was selected as a KU Man of Merit by the Emily Taylor Center for Women & Gender Equity and has been a member of the Self Engineering Leadership Fellows Program. A member of the University Honors Program, Green was selected as a Udall Scholar in 2017. The Mitchell Scholarship has a first-round video interview before finalist interviews in November. For more information, click [here](#).

Prajna Dhar featured in Special Issue focused on Early Career Authors

Prajna Dhar's lab has been featured in the American Chemical Society (ACS)'s Langmuir journal. This special issue is focused on Early Career Authors in the research field of Fundamental Colloid and Interface Science. The article is titled "pH-Induced Changes in the Surface Viscosity of Unsaturated Phospholipids Monitored Using Active Interfacial Microrheology." Saba Ghazvini, who worked on this project during her time as Dr. Dhar's student, is currently working as a Post-Doc for the University of Colorado at Boulder on a project funded by the Gates Foundation. To read the abstract and article, click [here](#).



Staff Member Awarded Engineering Staff Impact Award



Martha Kehr, CPE’s Graduate Program Assistant, was honored with this award in the category of Student Success / Improving the Student Experience for significant contributions to graduate student success, appreciation, well-being, and promotion in the Department of Chemical & Petroleum Engineering. The award was issued by Dean Michael Branicky and will be presented to her at the fall recognition ceremony on Saturday, Dec. 9th.

EEEC on the Verge of Completion

Construction on the new [Earth, Energy, and Environment Center](#) is nearing completion. The bridge connecting the 4th floor of Learned to the new buildings is now open. We expect faculty and students to be able to move in during the first few weeks of January.

Mindfulness Time is now Mindfulness Space

4165G Learned Hall is now open. This small room is available during regular building hours for your mindfulness and other personal needs. It will continue to serve as the School of Engineering lactation/parent space but is also now more of a Room of Requirement. To learn more about the space and see pictures, click [here](#).

‘Tis the Season

While we are just days away from the end of the semester, this can be the absolute worst time of the year for many. ‘Tis the season for stress, lack of sleep, and not enough hours in the day— not to mention not enough sunlight. Remember, sleep before a final exam [is essential](#) for success. If it has been a few days since you have had natural light on your skin, take a short break outside.

Whether you are a student, staff, or faculty member, please do not hesitate to reach out for help if you are struggling in any way. If you see friends or roommates on the verge, this is the time to act. If you have friends or colleagues who you know cannot be with their families over the break, why not invite them to join your festivities? Or team up for a fun friend party? In the spirit of the season, it is my hope that we can all give a little bit extra time, care, and attention to those closest to us.

Wishing you and yours a safe, festive, and restorative break!

UPCOMING EVENTS

Dec. 9 Fall Engineering Recognition Ceremony, 9-10am in the main theater in Murphy Hall. Reception to follow in the McClendon Atrium in LEEP2.

Weekly Spahr Librarian Rebecca Orozco offers research help hours every Tuesday and Wednesday, 1-3pm. Specific dates posted at research help desk.

Dec 12/13 Stress Busting Study Break, 8-9pm at Anschutz/Watson Library. Learn more [here](#).

Dec 15 Last day of Finals

Dec 25th—Jan 1 CPE Offices will be closed for Winter Break.

Jan 15 Martin Luther King, Jr. Day

Jan 16 First Day of Spring 2018 Classes

NEW PUBLICATIONS

Cudjoe, S., Barati, R., Lattice Boltzmann. “Simulation of CO2 Transport in Kerogen Nanopores— An Evaluation of CO2 Sequestration in Organic-Rich Shales.” *Journal of Earth Science*, October 2017, Volume 28, Issue 5, pp 926–932.

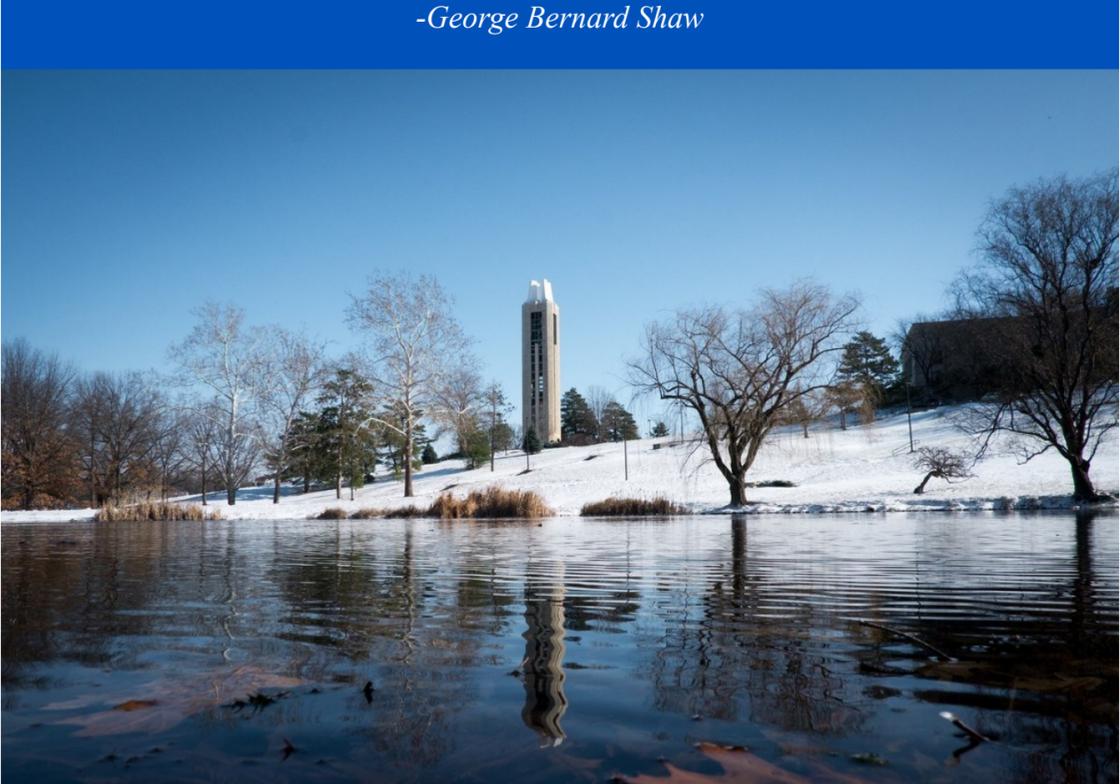
Wang B*, **DeKosky BJ***, Timm MR, et al. “Functional Interrogation and Mining of Natively- Paired VH:VL Human Antibody Repertoires.” *Nature Biotechnology*, Accepted, 2017

Barforoush, J.M.; Jantz, D.T.; Seufferling, T.E.; Song, K.R.; Cummings, L.C. and **Leonard, K.C.** “Microwave-Assisted Synthesis of a Nanoamorphous (Ni0.8,Fe0.2) oxide oxygen-evolving electrocatalyst containing only ‘fast’ sites.” *Journal of Materials Chemistry A* Vol. 5, Issue 23, pp. 1661-11670 (2017).

QUOTE OF THE MONTH

“Beware of false knowledge; it is more dangerous than ignorance.”

-George Bernard Shaw



C&PE Department

4132 Learned Hall | 1530 W 15th St | Lawrence, KS 66045 | 785-864-4965

[Website](#) | cpe@ku.edu | cpegrad@ku.edu

This newsletter was designed by Grace Lamar and distributed by the C&PE department representative, Martha Kehr: mkehr@ku.edu. Photos courtesy of KU, the CPE department, and/or external article authors.

If you would like to be removed from our mailing list, please contact cpe@ku.edu.