

C&PE NEWS

Chemical & Petroleum Engineering

November

Wishing a very Happy Thanksgiving to all the Jayhawks!

We hope you have a wonderful day celebrating all there is to be thankful for.



IN THE NEWS

Mary Severt wins First Place at the SWE Poster Competition

Mary Severt, a junior in Chemical Engineering, was recently notified that she won First Place at the SWE Poster Competition this month. The title of her poster is "Valorization of residual hemp biomass through thermochemical processing."

Mary's undergraduate research focuses on taking hemp biomass, after CBD oil extraction, and creating a biocrude and biochar. The biocrude and biochar have many potential applications in the energy, environmental, and materials industries. Mary started working in Dr. Williams' lab her freshman year, and she began work on this project last year.

About her lab work, she said, "I've had a great experience doing undergraduate research so far, and it has given me many skills that will prepare me for graduate school in a couple years." In addition to doing research under Dr. Williams, Mary is also the testing lab manager of the KU Biodiesel Initiative, an engineering ambassador, and the recruitment chair for SWE. This past summer, she completed an internship at Spirit AeroSystems where she was able to use her research skills in an industrial setting. She also recently won the NOAA Hollings Scholarship which she said, "will allow me to complete research at a NOAA facility this upcoming summer."



Erin Sturd, senior in Chemical Engineering, finalist for Marshall Scholarship

Erin Sturd, of Overland Park, is majoring in chemical engineering with an emphasis in bioengineering and minoring in Spanish. Sturd is the daughter of Deana and Joseph Sturd and a graduate of St. Thomas Aquinas High School. Sturd works with Mark Shiflett, Foundation Distinguished Professor of Chemical Engineering, at the Institute for Sustainable Engineering. In her research, for which she received an Undergraduate Research Award from the Center for Undergraduate Research, she studies polymeric membranes and mixed-matrix membranes for hydrofluorocarbon separation and hydrogen separation for gas recycling. She previously participated in an internship at the Center for Environmentally Beneficial Catalysis. This past fall she had two presentations at the American Institute for Chemical Engineering meeting, and she has presented at two KU Undergraduate Research symposia and a showcase. She is a member of the Multicultural Scholars Program, is an Office of Fellowships Rising Scholar and serves as an iHAWKe Ambassador. Sturd has served as the president of the Engineering Student Council and a School of Engineering Self Fellow and is captain of the KU Crew.



Marah Shulda, Junior in Chemical Engineering, Finalist for EXCEL Award

Marah Shulda, a junior in chemical engineering with a minor in global & international studies from Shawnee is on the list. Marah is a Self Engineering Leadership Fellow and rank leader and equipment manager for the Marching Jayhawks. She also serves as vice president of KU Hearts for the Homeless.

The ExCEL Award provides an annual \$250 scholarship to students. Nominees were selected on the basis of leadership, effective communication skills, involvement at KU and in the Lawrence community, academic scholarship and ability to work with a variety of students and organizations. The selection committee included representatives from Student Union Activities, the Board of Class Officers, the Student Involvement & Leadership Center and the Homecoming Steering Committee.



ANNOUNCEMENTS

ESC | Engineering Carnival

Saturday, November 13, 2021

12:00pm to 3:00pm

Learned Engineering Expansion Phase 2 (Leep 2), Lawn and Atrium

The Engineering Carnival will have lots of food, games, and prizes for a day full of fun. There will be games such as balloon pop, ring toss, cake walk, and many more. Tickets from winning these games can be exchanged for fun prizes such as candy, stickers, t-shirts, and even gift cards. If you get hungry, there will be popcorn, pizza, and the classic candy apples. So bring your friends and have a day full of fun.

RESOURCES & REMINDERS

KEY DATES

- November 17 | Last day to withdraw from a class or the University
- November 24 - 28 | Thanksgiving break
- December 9 | Last day of classes

MONTHLY SAFETY SEMINAR

CPE department will be holding a monthly safety meeting on the 3rd Wednesday of each month from 9 - 10 AM in the Beren Center in G192 Slawson Hall or via Zoom.

[Zoom Meeting Details](#)

HELPFUL LINKS

Internships, REU program flyers, and job postings @ <http://cpe.ku.edu/opportunities>

Assistance with learning/teaching remotely @ [Remote Learning Resources](#)

Stay up-to-date with all department news @ [CPE News page](#)

Learn about active research areas @ [CPE Research](#)

Commonly needed [Engineering Forms](#) & [Department Forms](#)

Find campus-wide events @ [KU Calendar](#)

**PROTECT
KU TOGETHER**
FOR THE GREATER GOOD

Help protect the spread of COVID-19 by maintaining your distance, staying wearing a mask, and washing your hands. Stay updated @ <https://protect.ku.edu/>

The University of Kansas and the Chemical & Petroleum Department are dedicated to protecting your privacy. If you wish to unsubscribe from future newsletter, please email cpe@ku.edu.