

November Newsletter 2024



William Oprisu is Awarded the VIEST Graduate Fellowship

William is a Ph.D. student in the Department of Chemistry, working with Prof. Robert Carpick in Mechanical Engineering and Applied Mechanics at the University of Pennsylvania. His research explores the fundamentals of mechanochemistry in organic systems, aiming to foster sustainable manufacturing practices.

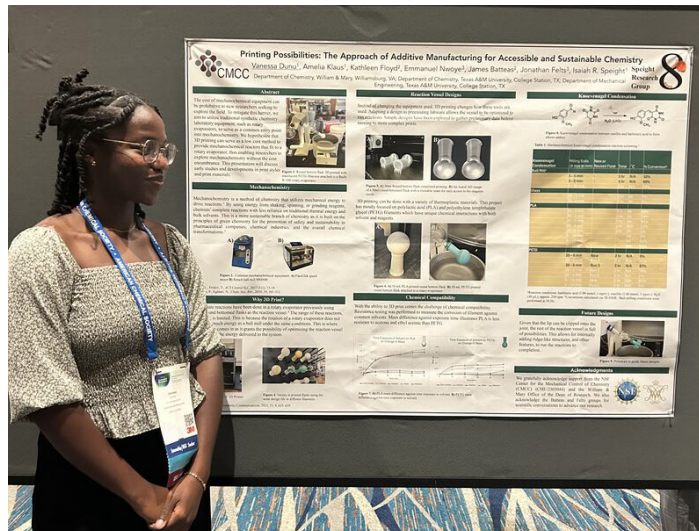
The VIEST Graduate Fellowship is a competitive award for exceptional University of Pennsylvania Ph.D. students whose research centers on energy-focused innovations.

Congratulations, William!



**VAGELOS
INSTITUTE**
for Energy Science and Technology
UNIVERSITY of PENNSYLVANIA

Vanessa Dunu Wins Best Poster in Green Chemistry at NOBCChE Conference



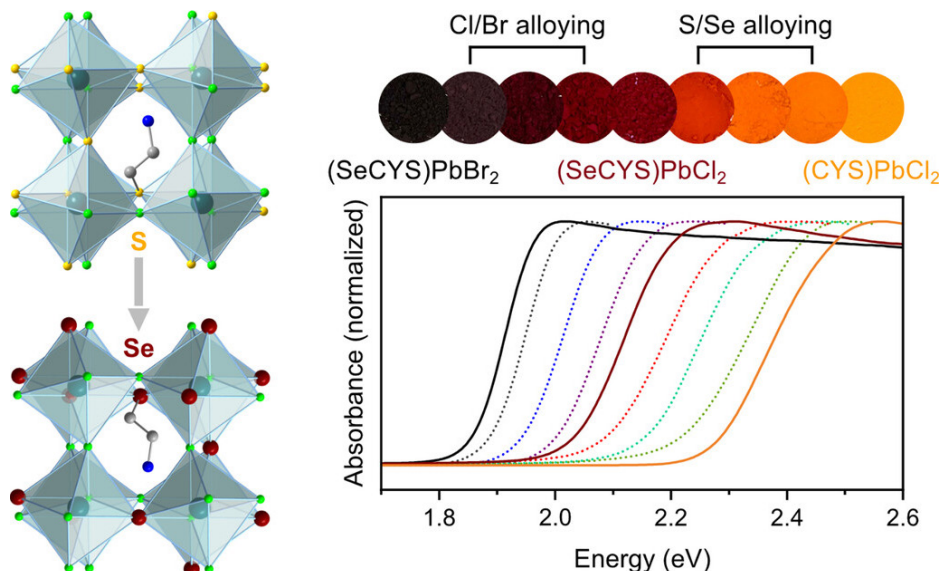
Vanessa Dunu, a CMCC undergraduate student from William & Mary in Dr. Isaiah Speight's research group, won the Best Poster award in Green Chemistry/Chemical Education for her innovative work on 3D-printed mechanochemical reaction vessels.

Congratulations, Vanessa!

New Publication in *Angewandte Chemie*



3D Lead-Organoselenide-Halide Perovskites and their Mixed-Chalcogenide and Mixed-Halide Alloys



Fall Semester Seminar Speakers



Dr. Hao Yan
University of North Texas
November 21, 2024



Dr. Ina Vollmer
Utrecht University, Netherlands
October 17, 2024

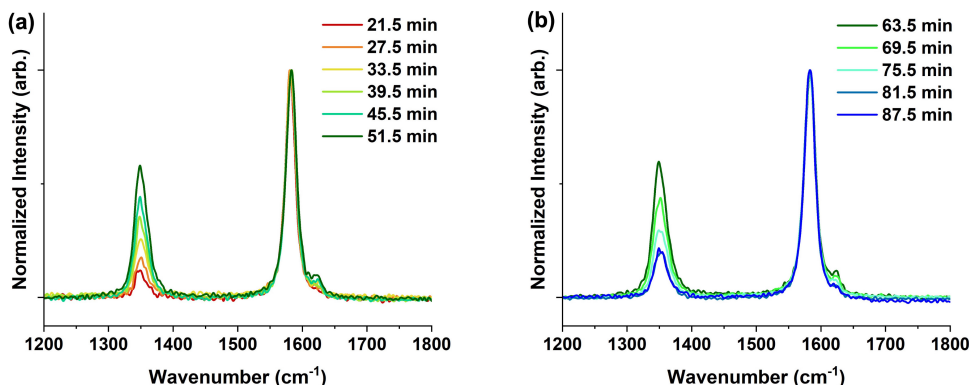


Dr. Seong H. Kim
Pennsylvania State University
September 19, 2024

New Publication in *Materials Horizons*



Studies of the Mechanically Induced Reactivity of Graphene with Water Using a 2D-Materials Strain Reactor



NSF Centers for Chemical Innovation Participate in NOBCChE and SACNAS



Photo: Left to Right: Dr. Victoria Russell, Dr. Meera Sidheswaran, and Dr. Isaiah Speight at NOBCChE.



Photo: Left to Right: Dr. Frankie Antillon, Dr. Meera Sidheswaran, and Dr. Victoria Russell at SACNAS.

The Center for the Mechanical Control of Chemistry (CMCC), along with representatives from other NSF Centers for Chemical Innovation—C-CAS, MONET, and CSOE—had a strong presence at both the NOBCChE and SACNAS conferences. Engaging with over 200 students, the teams shared insights into each center's cutting-edge research and exciting opportunities for involvement.

Tune in here!



Dear Mechanochemists,

I am pleased to welcome you to this, the first edition of the CMCC Newsletter, highlighting activities and accomplishments of researchers in the CMCC! Let me express my thanks to our Outreach Coordinator, Frankie Antillon, and Managing Director, Meera Sidheswaran, for kicking this off. We will send this out electronically each month with news and updates. Also, don't forget to tune in each month to the CMCC Mechanochemistry Discussions on YouTube for the latest from around with world in mechanochemistry.

- J.D. Batteas



Director's
Message