

The ME Connection

UE Mechanical Engineering Newsletter

April 2022

"Science can amuse and fascinate us all, but it is engineering that changes the world."

- Isaac Asimov

Gaining Momentum

Have you seen us in the news recently? We were included in the latest edition of Evansville Business magazine, which featured 3D printing capabilities. Then on March 30th, the classroom air-filter project received the Outstanding Innovation Award at the 2022 Celebration of Leadership. We can't wait to share more news with you about accomplishments from the semester and the culmination of student projects!

ME Alumnus attends 2022 Oman Petroleum & Energy Show



Mohammed Alaamri
Class of 2019

Alumnus Mohammed Alaamri, Artificial Lift Engineer for Occidental Petroleum, represented his company at the Oman Petroleum & Energy Show, an annual event organized by the Society of Petroleum Engineers (SPE).

"Although I am leading several trials for different products in the Mukhaizna onshore oil field, in the north of Oman, with the aim to eliminate all leaking from the wellhead systems, it is still necessary to stay updated with the latest technology offered by the industry. Further, this becomes crucial since great environmental steps are being taken as an industry and by Occidental in its new shifts toward a low carbon future."

College of Business & Engineering Speaker Series

The inaugural College of Business and Engineering Speaker Series event will take place at 6:00pm on Monday, April 18th. Denny Quinn, CEO of Traylor Industrial Group, will be the featured speaker. To attend the event, please register at: <https://lnkd.in/eppMvmeJ>. You can join on campus or virtually.



Dr. Unger to Retire

Please join us in wishing Dr. David J. Unger a happy retirement at the end of this semester! Dr. Unger has taught at the University of Evansville since 2001. He has been the faculty advisor for student participation in the National Aeronautics and Space Administration student launch initiatives and accompanied students to Huntsville, Alabama, in 2010, 2012, and 2017, as they competed in NASA high power rocket competitions. Dr. Unger won the University of Evansville's Berger Award for scholarship in 2005, the Dean's Teaching Award in 2006, and a Global Scholar Award in 2007. His text, Analytic Fracture Mechanics, was published first by Academic Press and is offered now by Dover Press. He has published numerous technical articles and



has a particular research interest in how and why materials break.

You are invited to attend UE's retirement tree planting ceremony on April 24th at 1:00pm, where Dr. Unger will be honored. The event will take place on the lawn south of Schroeder Family School of Business Administration Building, followed by a reception. Thank you, Dr. Unger, for your 20+ years of service to the ME Program at UE!

Christopher M. Pietruszkiewicz and Michael Austin, PhD
cordially invite you to attend the

UNIVERSITY OF EVANSVILLE
2022 Faculty Retirement Tree Planting

Honoring
Sharon Gieselmann
Donald Rodd
David Unger

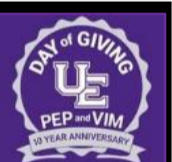
Sunday, April 24, 2022 • 1:00 p.m.

Lawn South of Schroeder Family School of Business Administration Building

Reception immediately following in Bernhardt Atrium,
Schroeder Family School of Business Administration Building.



UE's 10th annual **Pep and Vim Day of Giving** is scheduled for today, Friday, April 8th, 2022. All alumni gifts are appreciated. Any time you make a gift to the university, you have the option to designate where it is applied, if you wish. Suggested designations for gifts to engineering include: *Gerhart Legacy Fund*, *SECS Student Project Fund*, and *Mechanical Engineering*.



Student Spotlight: Thermosiphon Research

The senior-led Thermosiphon design team presented their findings at the National Conference on Undergraduate Research (NCUR) this month. NCUR is the largest conference of its kind in the world, with over 3,200 participants this year. Three seniors, Jackson Smith, Edward Friesel, and Alek Dunkelberger, led the presentation titled, "The Investigation into the Existence of Local Minimum and Maximum Locations in Thermosiphon System Efficiency."

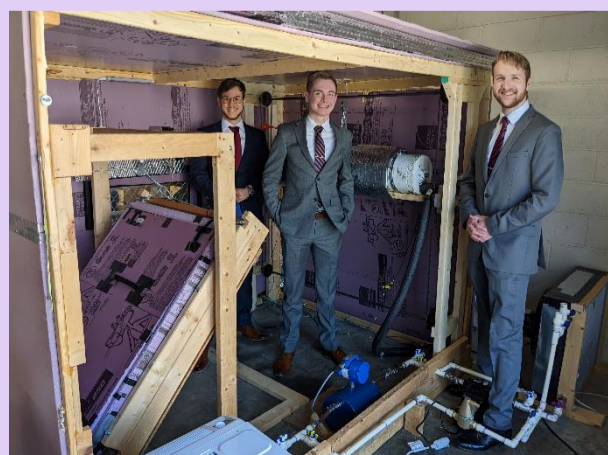


Edward Friesel **Alek Dunkelberger** **Jackson Smith**

The same students were selected to present at Posters on the Hill in the session scheduled for Wednesday, April 27th, 2:00-4:00PM (EST). As part of this highly-selective event, the students will also be meeting with members of Congress. The virtual presentations are free and open to the public, but you must RSVP to receive the viewing link. Learn more about the Posters on the Hill participants and RSVP via the Council on Undergraduate Research website: [CUR.org/POH2022](https://cur.org/POH2022)



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Team members with the thermosiphon testing facility

Congratulations Corner

Class of 2009

Congratulations to Ian McGiffen on his new role as Chief Engineer for S&S Diesel Motorsport. For the past 13 years, Ian has enjoyed his career as an engineer at Cummins. He held multiple roles at Cummins, including Power Cylinder development engineer, Tier 4 Locomotive Combustion, Performance & Emissions senior engineer, Tier 4 Excavator Assistant Technical Project Leader, and Class 8 Semi – Powertrain Integration Technical Specialist.

Best wishes in your new role with S&S Diesel Motorsport!



Q: Why can't you trust an atom?

A: They make up everything!