

The ME Connection

UE Mechanical Engineering Newsletter

October 2023

"To be effective engineers, we need to be able to identify which activities produce more impact with smaller time investments."

- Edmond Lau

Making an Impact

As campus has been counting down the days to Fall Break, we have been counting the ways our ME students and alumni, and the UE team are making an impact. Several of our current students are working the Σ AE booth at the Fall Festival this week to raise money for Chemo Buddies. If you are in town, look for booth #69 on your munchie map to get some good food and support a great cause. Tell them we sent you!

A big thank you to our alumni who attended UE's Engineering, Business, and Technology Career Fair last month! Your continued support of our program and our students is much appreciated.

The University of Evansville recently received the Community Champion of the Year Award at the Evansville Regional Economic Partnership (E-REP) annual meeting for their work with the Evansville Promise Zone. Find out more on the UE website.



Juniors Kaleb Werner & Owen Bryant

Hands-on Learning

Students have been testing the limits of different materials in ME 330 lab. Recent experiments required impact testing of different specimens at varying temperatures to better understand how metals will bend or break. Increased knowledge of material behavior informs engineering decisions & material selection, leading to improved designs. Engineering Lab Manager, Ray Shelton, regularly offers welding instruction to students wishing to improve their fabrication techniques for design projects. A member of the Aces Racing student design team is pictured practicing TIG welding.



ASME Elects Leaders

Freshmen Nate Bingham and Christopher Martin are leading UE's ASME Student Section this year. Plans include monthly meetings with invited speakers, local facility tours, professional and social activities, and more!



Celebrate Gregory Gregory Day at The Slice



HARLAXTON

October 13
3:00-6:00pm



We want to celebrate our alumni!
Please submit a photo and short blurb to:

mechanicalengineering@evansville.edu



Class of 2002

Congratulations to Brad Anslinger on his new role as Operations Manager for SIGMA Group. SIGMA is a full-service solution to the packaging and processing equipment industry located in Evansville, Indiana that helps customers buy, sell, integrate, auction, and appraise new and used packaging and processing equipment across the US and internationally. Brad will use his engineering and management skills to help drive efficiencies within the SIGMA Group team. This includes the management of the facilities, logistics, auctions, the warehouse team, asset management for over 660,000 square feet of warehousing space, and continuous improvements to the SIGMA Group facility.

Congratulations Corner

Professor Emeritus, Dr. David J. Unger, published the technical note, Material Stability Criteria for a Plane Stress Asymptotic Solution for Steady Mode I Crack Growth in an Elastic / Perfectly Plastic Solid in the journal *Zeitschrift für angewandte Mathematik und Physik*.



Class of 2015 Congratulations to Mathew Brown, P.E., on his new position as a Project Engineer for Kelley Engineered Equipment, LLC! Matt holds his P.E. license in five states and has more than 8 years of engineering experience in the mining and underground construction industry.



Class of 2019 Congratulations to Derek Stauder on his new role as a Thermal Spray Engineer at Praxair, Inc – a Linde Company! Linde is a global leader in industrial gases and engineering for applications including manufacturing, healthcare, energy and fuels, space programs, food and beverage and more.



Q: How do automotive engineers measure the impact of a collision?

A: With a crash test, dummy!