



MYJOURNEY

- Joined UI as applied thermodynamics faculty member in Fall 1987
 => formation of a content expert and academic researcher
- Taught Engineering Science, Freshman/Sophomore Design in 1990's
 formation as a facilitator for learning to learn
- Capstone Design instructor, 1996-present
 - => formation as a facilitator of project learning and performance development
- Immersion in 2nd Discipline of the Scholarship of Teaching/Learning
 - => Co-Director of Faculty Guidebook Project 2001-2007
 - => Co-PI of NSF Enriched Learning Environment Project 2003-2007
 - => Co-PI in NSF TIDEE and IDEALS Consortia 2000-2013
- IME Department Chair, 2015-present
 - => advocate for learning infrastructure, community building, and mentoring





COMBUSTION RESEARCH ACTIVITY

- Latalytic igniter design and compression ignition modeling
- Honda Genset Performance w/catalytic igniters & JP-8
- Van Performance w/catalytic igniters & aquanol
- CFR Engine Platform Customization for catalytic igniter testing
- Indication of the Investigation of the Investigation Invited The Investigation of the Invited Truck of the Invited
- Electric Vehicle Energy Management w/2013-2016 FHSAE
- YZ250 Engine Performance & Emissions Modeling
- Engine, Vehicle, & Shift Optimization for Simulated European Motocross
- I Fuel Ignition Tester Heat Release & Speciation Measurements
- Prediction of Intermediate Species in Low Temperature Combustion





MY WAY OF BEING

As a process-oriented educator/scholar...

- want to see growth myself and in others
- Itrust and respect students (also faculty/staff/administrators)
- I enjoy assessment and I embrace feedback
- I can handle and adapt to change
- I am willing to take risks (esp to advance performance capability)
- use self-assessment to continually improve (esp with the SII model)
- I enjoy working with others strive to use time efficiently/effectively
- I am willing to shift control to students/others to maximize their growth