THURSDAY, APRIL 14, 1-1:50PM CM266
ME Research Seminar

How EM Transformed Senior Design

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THURSDAY 4/14 1-1:50 PM
Zoom live stream:
https://sdsmt.zoom.us/j/93705680131
& live stream also shown in CM266
Info & past videos: me.sdsmt.edu > seminars

Speaker Bio:
Jessica P.M Fick is an Associate Professor of Mechanical Engineering and Assistant Dean of the College of Engineering Mathematics and Science at the University of Wisconsin – Platteville. Jessica graduated from the ME Program at UW-Platteville before moving to the DC-Baltimore area to work at the UW Army Research Laboratory (ARL) in survivability of combat systems. At ARL, she furthered her interest in failure mechanics and developed a love for material behavior due to shock and impact. Jessica earned her Masters and PhD from Johns Hopkins University focusing on high rate loading and fragmentation in ductile materials. After returning to her alma mater as a faculty member, Jessica has led major changes in the senior design program and UW-Platteville's initiative to become a KEEN partner.

Talk Abstract:
The Entrepreneurial Mindset (EM) connects the technical skills of an engineer to the broader context and impact of their work. These objectives are embedded in our engineering programs through ABET outcomes but are often difficult to convey and to measure. These ABET outcomes, mapped to KEEN outcomes offer specific paths and topics to achieve the overall goals. A natural extension of senior design is to discuss professional skills and to prepare graduates for their first projects and to navigate the first year of their careers. By infusing EM into senior design and intentionally choosing mindset objectives from the KEEN framework to focus on, the task of preparing students has become more straight forward and intentional. In this talk, we will show the evolution of our program in the last 6 years and the impact of EM in the last 4.