DEPARTMENT OF ENGINEERING EDUCATION

OUR FACULTY'S "GREATEST HITS"

PUBLICATIONS TO READ AND KNOW
Investigating Problem-Solving Processes of Students, Faculty, and Practicing Engineers in Civil Engineering


Exploring Engineering Managers’ Perspectives on the Actions of Engineering Managers and Newly Hired Engineers During the New Engineers’ Socialization Period


Student Interactions with Online Videos in a Large Hybrid Mechanics of Materials Course


Knowledge, Skills, and Attributes of Graduate Student and Postdoctoral Mentors in Undergraduate Research Settings

Dr. Monica F. Cox

Demystifying the Engineering PhD


Dr. Ann Christy

Thermodynamics for Citizenship: Entrepreneurial Engineering Through Project-Based Learning


The University’s Role in Professional Development for Computer Aided Engineering


The Use of Student Portfolios in Engineering Instruction

Dr. David Delaine

An Investigation of Inter-Stakeholder Dynamics Supportive of STEM, Community-Based Learning


A Pilot Study of the Development of Empathy within a Service-learning Trip from a Qualitative Perspective
Global Diversity and Inclusion in Engineering Education: Developing Platforms toward Global Alignment


To What Extent Does Gender and Ethnicity Impact Engineering Students’ Career Outcomes? An Exploratory Analysis Comparing Biomedical to Three Other Undergraduate Engineering Majors


Air Traffic Control (ATC) Technical Training Collaboration for the Advancement of Global Harmonization

Dr. Emily Dringenberg

Smartness in Engineering Education: Student Beliefs and Experiences


Student and Faculty Beliefs About Diverse Approaches to Engineering Design Decisions


Empathic Approaches in Engineering Capstone Design: Student Beliefs and Reported Behaviour

A Grounded Theory Model of the Dynamics of Undergraduate Engineering Students' Researcher Identity and Epistemic Thinking


A Mixed Method Approach to Understanding Researcher Identity


Qualitative coding: An approach to Assess Inter-Rater Reliability


Competence, Autonomy, and Relatedness as Motivators of Graduate Teaching Assistants

How Engineering Instructors Supported Students During Emergency Remote Instruction: A case Comparison


Centering the Marginalized Student’s Voice Through Autoethnography: Implications for Engineering Education Research


Time for a Culture Change—Moving Academia from Destructive to Constructive Feedback

Exploring the pathways: Using transition theory to understand the strategies undergraduate computing students leverage as transfer students


**Best Student Presentation Award Winner – Jasmine Batten (Ph.D. student)**

Traversing the landscapes of computer science: A case study of Black women’s journey in graduate school to become computer scientists


Resilient Engineering Identity Development Critical to Prolonged Engagement of Black Women in Engineering


**American Educational Research Association (AERA) (2022) Division I Outstanding Research Publications Award**

Methodology Matters: Employing Phenomenography to Investigate Experiences in Computing Fields and the Application of Theoretical Frameworks

The intersection of being Black and being a woman: Examining the effect of social computing relationships on computer science career choice