



ENGINEERING
UNLEASHED
POWERED BY KEEN

ENGINEERING UNLEASHED FACULTY DEVELOPMENT CATALOG

NATIONAL

2024

WORKSHOPS





CONTENTS

- 3 AT A GLANCE
- 4 HOW TO PARTICIPATE
- 4 PAY IT FORWARD PROGRAM & DOCTORAL STUDENT DEVELOPMENT INITIATIVE
- 5 WORKSHOP OFFERINGS

WORKSHOPS DESIGNED FOR YOU + YOUR CAREER

Enjoy a rewarding, collaborative experience as you join other faculty to apply strategies and gain resources for expanding the entrepreneurial mindset. Engineering Unleashed Faculty Development (EUFD) National Workshops are designed by subject matter experts from universities across the country.

AT A GLANCE WORKSHOP OFFERINGS

	May 20 - 24	VIRTUAL Integrating Curriculum with Entrepreneurial Mindset 1.0 (ICE 1.0)
June 3 - 6		
MINNEAPOLIS, MN Design Your Academic Life (DYAL) Integrating Curriculum with Entrepreneurial Mindset 1.0 (ICE 1.0) Enhancing Inclusive Teaching Practices Through Entrepreneurially Minded Learning (EIT) Unraveling the Value Tensions of Sustainability with EML (UVT)	June 10 - 14	VIRTUAL Unleashing Academic Change (UAC)
July 29 - Aug 1		
ALBUQUERQUE, NM Integrating Curriculum with Entrepreneurial Mindset 1.0 (ICE 1.0) Entrepreneurially Minded Learning & Student Research (EMRe) Learning from Failure with Mastery-Based Learning (LFF) Project Unlock: Leveraging IABs to Infuse EM (PULIAB)	Aug 12 - 15	MILWAUKEE, WI Integrating Curriculum with Entrepreneurial Mindset 1.0 (ICE 1.0) Sigma Integrating Curriculum with Entrepreneurial Mindset 1.0 (ICE 1.0) Theta Embedding an Entrepreneurial Mindset into Civil Engineering Systems Design (EMCE) MakerSpark: A Framework for Developing Entrepreneurially Minded Making Activities (MS)





HOW TO PARTICIPATE



1. Register

Work with campus leaders to find the workshop for you. If applicable, complete the prerequisite course: Intro to EM.



2. Quickstart

Complete the online pre-work for your workshop.



3. Meetup

Learn from expert facilitators and collaborate with other participants to develop your project.



4. Press Onward

Work with a coach over the following year as you develop, deploy, and assess your project.



5. Amplify

Expand beyond the workshop! Share your work on Engineering Unleashed, plus an opportunity for an Engineering Unleashed Fellowship.

2024 EUFD PAY IT FORWARD PROGRAM

Help a colleague from a non-KEEN institution attend a workshop - on us!

Follow the link below to Pay it Forward and sponsor someone for a workshop seat. The lucky recipient can choose any workshop that has seats remaining.

Eligibility:

- To sponsor a colleague, you must have participated in a previous EUFD National Workshop.
- The colleague you select must be from a non-KEEN institution.
- Complete the form today! The list of KEEN institutions can be found at engineeringunleashed.com/partners.



PAY IT FORWARD

SCAN THE CODE OR VISIT
<https://bit.ly/pif2024>
FOR MORE INFORMATION ON THE
2024 EUFD PAY IT FORWARD PROGRAM

2024 EUFD DOCTORAL STUDENT DEVELOPMENT INITIATIVE

A limited number of Golden Tickets have been allocated for doctoral students interested in pursuing a career as an engineering faculty member to attend an EUFD National Workshop. Student attendees will have the opportunity to translate their experience at one of the faculty development workshops to their own context. Doctoral students can request a Golden Ticket by completing the application at the following link.



DOCTORAL STUDENTS

SCAN THE CODE OR VISIT
<https://bit.ly/eufdphd2024>
FOR MORE INFORMATION ON THE
2024 EUFD DOCTORAL STUDENT INITIATIVE



INTEGRATING CURRICULUM WITH ENTREPRENEURIAL MINDSET 1.0

ICE 1.0

TAGS

TEACHING TECHNIQUES

EML INTEGRATION

MAY 20-24
VIRTUAL

JUNE 3-6
MINNEAPOLIS, MN

JULY 29 - AUG 1
ALBUQUERQUE, NM

AUGUST 12-15
MILWAUKEE, WI
Session Sigma & Session Theta

Learn how to leverage entrepreneurially minded learning (EML) to modify or adapt courses that support the development of students' entrepreneurial mindset!

ICE 1.0 guides you through the framework of EML, centered on curiosity, connections, and creating value. Through the exploration of each of these components, you will learn:

1. Problem-based active and collaborative learning techniques to instill the entrepreneurial mindset in students.
2. Key components for making a strong learning experience, including learning objectives, problem statements, and assessment.

You will apply the principles learned to create and share a teaching technique for a particular topic in your discipline.

WHO SHOULD ATTEND

New or experienced faculty interested in getting started with entrepreneurially minded learning and embedding aspects of the KEEN Framework into their courses.

LEARNING OBJECTIVES

During the Meet-up, you will:

1. Develop familiarity with KEEN and its framing of EML practice.
2. Create connections with like-minded faculty who have a desire to integrate EML into your practices.
3. Initiate the design of a module to implement EML into existing coursework.
4. Gain awareness of assessment practices and how they can be used to evaluate an EML module.

After a year of coaching and experience in your classroom(s), you'll be able to:

1. Identify opportunities for EML integration into existing coursework.
2. Develop a personal approach to integrating EML within the course design process.
3. Implement continual improvement of your own EML practice (i.e., mechanisms, procedures, tools, frameworks).
4. Connect and collaborate with KEEN and the Engineering Unleashed community at large in meaningful ways beyond this workshop.
5. Promote EML to others.

INFORMATION CONTINUED ON NEXT PAGE ►

REGISTER NOW!

SCAN THE CODES OR VISIT THE LINKS BELOW FOR MORE INFORMATION ON 2024 NATIONAL WORKSHOP OFFERINGS.

MAY 20-24
VIRTUAL



<https://bit.ly/icemay2024>

JUNE 3-6
MINNEAPOLIS, MN



<https://bit.ly/icejune2024>

JULY 29 - AUG 1
ALBUQUERQUE, NM



<https://bit.ly/icejuly2024>

AUGUST 12-15
MILWAUKEE, WI



<https://bit.ly/iceaugsigma2024>
<https://bit.ly/iceaugtheta2024>



WORKSHOP TEAM

Dates: May 20 - 24

Cheryl Bodnar | Rowan University | Facilitator
Heather Dillon | University of Washington Tacoma | Facilitator
Glenn Gaudette | Boston College | Facilitator
Jennifer O'Neil | Rochester Institute of Technology | Coach
Kyle S. Horne | University of Wisconsin - Platteville | Coach
Anna Howard | North Carolina State University | Coach

Dates: June 3 - 6

Maria-Isabel Carnasciali | Merrimack College | Facilitator
Cheryl Bodnar | Rowan University | Facilitator
Heather Dillon | University of Washington Tacoma | Facilitator
Jennifer O'Neil | Rochester Institute of Technology | Coach
Deb Grzybowski | The Ohio State University | Coach
Timothy Shenk | Campbell University | Coach

Dates: July 29 - Aug 1

Maria-Isabel Carnasciali | Merrimack College | Facilitator & Coach
Joe Tranquillo | Bucknell University | Facilitator
Andy Gerhart | Lawrence Technological University | Facilitator
Justin Henriquez | James Madison University | Coach

Dates: August 12 - 15 | Session Sigma

Andy Gerhart | Lawrence Technological University | Facilitator
Glenn Gaudette | Boston College | Facilitator
Mike Rust | Western New England University | Facilitator & Coach
Heather Dillon | University of Washington Tacoma | Facilitator & Coach
Anna Howard | North Carolina State University | Coach

Dates: August 12 - 15 | Session Theta

Jessica P.M. Fick | University of Wisconsin - Platteville | Facilitator & Coach
Ben Tribelhorn | University of Portland | Facilitator & Coach
Heath LeBlanc | Ohio Northern University | Facilitator
Kyle S. Horne | University of Wisconsin - Platteville | Coach
Joe Tranquillo | Bucknell University | Advisor



DESIGN YOUR
ACADEMIC LIFE
DYAL

TAGS

- REFLECTIVE EXPLORATION
- CAREER SUPPORT
- FUTURE-PROOF
- GOAL CLARITY
- VALUE ALIGNMENT

JUNE 3 - 6, 2024
MINNEAPOLIS, MN

Design Your Academic Life (DYAL) helps academics like you assess and align your personal and professional lives so you can make better connections, be curious in ways that make the most impact, and create value where it matters most. The workshop also provides you a cohort and community for encouragement and accountability so that everyone feels safe taking risks and sharing successes and failures.

WHO SHOULD ATTEND

Faculty, academic professionals or others working in academia, especially those who are in a transition period in their career (e.g., applying for tenure, considering a move to administration).

LEARNING OBJECTIVES

1. Creating value: Identify personal and professional values to guide future actions.
2. Curiosity: Develop alternative life plans (personal and professional) that align with your values.
3. Curiosity: Explore different ways of prototyping your desired future(s).
4. Creating value: Plan small and purposeful steps toward your goals.
5. Connections: Identify colleagues who could support your personal/professional development.
6. Connections: Reflect upon how/if your personal/professional values align with everyday personal/professional activities.

WORKSHOP TEAM



Kaitlin Mallouk
Rowan University
Facilitator



Cory Hixson
Colorado Christian University
Facilitator



Elise Barrella
DfX Consulting LLC
Facilitator & Coach



Mary Raber
Michigan Technological University
Facilitator & Coach



Adrienne Minerick
Michigan Technological University
Coach



Jennifer Monahan
Saint Louis University
Coach



REGISTER NOW!

SCAN THE CODE OR VISIT <https://bit.ly/dyal2024>
FOR MORE INFORMATION ON 2024 NATIONAL WORKSHOP OFFERINGS.



ENHANCING INCLUSIVE TEACHING PRACTICES THROUGH EML

EIT

TAGS

- INCLUSIVE TEACHING
- COLLABORATION
- AUTONOMY
- REPRESENTATION
- SAFE SPACES



UNRAVELING THE VALUE TENSIONS OF SUSTAINABILITY WITH EML

UVT

TAGS

- SUSTAINABILITY VALUE TENSIONS
- DESIGN THINKING
- CURIOSITY
- CONNECTIONS
- CREATING VALUE

JUNE 3 - 6, 2024
MINNEAPOLIS, MN

Enhancing Inclusive Teaching Practices Through EML (EIT) supports educators and learners towards a more inclusive and diverse STEM community through entrepreneurially minded learning (EML). The goal of this workshop is to demonstrate the integration of the 3C's and how they can be leveraged to enhance inclusion in the classroom such that you are able to develop an implementation and coaching plan that serves your own context. EIT provides a space for you to discuss, ideate, and be open-minded to new ideas.

WHO SHOULD ATTEND

Instructors teaching engineering courses and administrators interested in improving inclusive teaching practices in the classroom at their institutions.

LEARNING OBJECTIVES

By the end of this workshop participants will be able to:

- 1. Explain the benefits of inclusive teaching practices such as increasing representation, creating safe spaces for failure, encouraging collaboration, and enhancing student autonomy in the classroom.
- 2. Identify opportunities to improve inclusive teaching practices in EML.
- 3. Design classroom activities that help foster inclusive learning environments\experiences.
- 4. Effectively use student feedback to improve inclusive practices.

WORKSHOP TEAM



Erin Henslee
Wake Forest University
Facilitator & Coach



Lauren Lowman
Wake Forest University
Facilitator & Coach



Mike Gross
Wake Forest University
Facilitator & Coach



Tricia Clayton
Wake Forest University
Facilitator & Coach

JUNE 3 - 6, 2024
MINNEAPOLIS, MN

How can instructors incorporate sustainability into our classrooms to allow students to manage the value tensions inherent in sustainability considerations, making them attractive to the job market?

Unraveling the Value Tensions of Sustainability with EML (UVT) will provide you with a new framework for design thinking that infuses both sustainability and entrepreneurially minded learning (EML), helping you to teach students how to balance tensions in value creation to prioritize sustainability.

WHO SHOULD ATTEND

Faculty and instructors who desire to infuse, discuss and create value with regard to sustainability in their undergraduate and graduate level course(s), curriculum and/or research using EML.

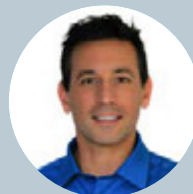
LEARNING OBJECTIVES

- 1. Define, apply and utilize the three pillars of sustainability and the different phases of design thinking to their own discipline/project.
- 2. Identify and (re)frame sustainability concepts and practice in their course(s).
- 3. Incorporate entrepreneurial mindset (EM) activities into their course to raise students' awareness on sustainability and stakeholders for sustainable and ethical engineering.
- 4. Integrate and combine sustainability-focused and entrepreneurial mindset learning outcomes with the learning outcomes of their course.
- 5. Create EM-sustainability integrated learning activities discussing the value tensions of sustainability.

WORKSHOP TEAM



Nathalie Lavoine
North Carolina State University
Facilitator & Coach



Rico Ruffino
North Carolina State University
Facilitator & Coach



Katherine Saul
North Carolina State University
Facilitator & Coach



Anna Howard
North Carolina State University
Facilitator & Coach



REGISTER NOW!

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REGISTER NOW!

SCAN THE CODE OR VISIT <https://bit.ly/uvt2024>
FOR MORE INFORMATION ON 2024 NATIONAL WORKSHOP OFFERINGS.



UNLEASHING ACADEMIC CHANGE

UAC

- TAGS
- CHANGE
- OPPORTUNITY
- VISION
- COMMUNICATION
- LEADERSHIP



ENTREPRENEURIALLY MINDED LEARNING & STUDENT RESEARCH

EMRe

- TAGS
- RESEARCH
- PROJECTS
- PUBLISHING

JUNE 10 - 14, 2024
VIRTUAL

Whether you are an individual or a team, a novice educator, an experienced educator, or anyone in between, this customized, research-based, practice-oriented Unleashing Academic Change (UAC) workshop can help you use your entrepreneurial mindset to draw skills from fields outside of your disciplinary expertise to help you expand the impact of your entrepreneurial mindset (EM)-based project! The ultimate goal of this workshop is to help participants like you understand and leverage the context within which effective academic change can happen and to equip you with a suite of tools that can support your work.

WHO SHOULD ATTEND

Faculty at all levels and from all backgrounds working on academic change initiatives.

LEARNING OBJECTIVES

As a result of this workshop, participants will be able to:

1. Evaluate their institutional context to identify opportunities for change.
2. Create and share a vision for change.
3. Identify and develop strategic partnerships.
4. Deploy appropriate communication strategies to address different audiences.
5. Obtain buy-in.
6. Lead teams.
7. Effectively manage project risks

WORKSHOP TEAM



Eva Andrijcic
Rose-Hulman Institute of Technology
Facilitator & Coach



Julia Williams
Rose-Hulman Institute of Technology
Facilitator & Coach



Sriram Mohan
Rose-Hulman Institute of Technology
Facilitator & Coach



Sabia Abidi
Rice University
Coach

JULY 29 - AUGUST 1, 2024
ALBUQUERQUE, NM

Curiosity lies at the heart of research for the academic entrepreneur! Entrepreneurially Minded Learning & Student Research (EMRe) will stimulate your thinking and intentionality regarding new venues for disciplinary research. EMRe will examine structures in which there are multiple beneficiaries and learning opportunities for stakeholders, including your students and institution.

WHO SHOULD ATTEND

Faculty conducting research with undergraduate research students.

LEARNING OBJECTIVES

At the completion of this workshop and coaching experience, you will be able to:

1. Examine how an entrepreneurial mindset (EM) is vital to your own research activities.
2. Identify how directed research activities can be used to foster an entrepreneurial mindset for research students, or your own projects.
3. Design and test a variety of techniques for integrating disciplinary research in educational activities, both formally and informally, as well as curricular, co-curricular, and extra-curricular.
4. Examine how you might take advantage of your institution's structures and programs.

WORKSHOP TEAM



Heather Dillon
University of Washington Tacoma
Facilitator



Jenna Carpenter
Campbell University
Facilitator



Shane Rogers
Clarkson University
Facilitator



Brooke Mayer
Marquette University
Coach



Ben Tribelhorn
University of Portland
Coach



Sirena Hargrove-Leak
Elon University
Coach



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REGISTER NOW!

SCAN THE CODE OR VISIT <https://bit.ly/emre2024>
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LEARNING FROM FAILURE WITH MASTERY-BASED LEARNING

LFF

TAGS

PRODUCTIVE FAILURE

RISK

MASTERY LEARNING



PROJECT UNLOCK: LEVERAGING IABS TO INFUSE EM

PULIAB

TAGS

INDUSTRY PARTNERSHIPS

STRATEGIC DOING

JULY 29 - AUGUST 1, 2024

ALBUQUERQUE, NM

The Entrepreneurial Mindset (EM) explicitly speaks to "Exploring a Contrarian View" (Curiosity) "Assessing and Managing Risk" (Connections), and "Persisting and Learning Through Failure" (Creating Value). However, we increasingly see students who are afraid of failure, who avoid taking risks, and who focus on getting A's instead of engaging in the difficult and sometimes contrarian act of learning.

Fostering a productive failure mindset is an ongoing challenge to developing an EM in our students. Learning from Failure with Mastery-Based Learning (LFF) will teach you how to create and implement teaching tools that will help students develop a mindset of productive failure and risk-taking at one of four scales: 1) single-lecture activities, 2) course projects, 3) individual courses taught with mastery-based learning, and 4) cohesive competency-based curriculum.

WHO SHOULD ATTEND

Faculty from any discipline, of any experience level, who desire for their students to take more learning risks, learn from rather than avoid failure, and prioritize learning rather than getting a grade.

LEARNING OBJECTIVES

As a result of this workshop, participants will be able to:

1. Explain how EM is related to productive failure and risk-taking.
2. Identify their own failure tolerance and characteristics of others (students and colleagues) who are risk/failure tolerant.
3. Practice failure-based learning activities that can be easily incorporated into a single lecture period.
4. Create modifications to a course project and its assessment that embraces risk-taking and productive failure.

WORKSHOP TEAM



Sara Atwood
Elizabethtown College
Facilitator & Coach



Josh Gargac
Ohio Northern University
Facilitator & Coach



Kurt DeGoede
Elizabethtown College
Facilitator



Shuvra Das
University of Detroit Mercy
Coach

5. Compare and contrast assessment approaches that select (traditional) vs develop (MBL) talent and relate those to EM.
6. Rethink how a course they teach could be transitioned to a mastery-based structure and create a course syllabus and initial set of assessments.
7. Imagine and discuss how their engineering curriculum could be radically transformed through large-scale competency assessment into a cohesive environment promoting students' productive failure and risk-taking in learning.

JULY 29 - AUGUST 1, 2024

ALBUQUERQUE, NM

Industry Advisory Boards (IABs) are often underutilized by academic programs, and advisory board members often wish to contribute more than they currently do. IAB members' contributions are often in the form of advice, but they, along with the academic program, seek a true partnership – thus we seek to transform IABs into Industrial Partnership Boards.

Project Unlock: Leveraging IABs to Infuse EM (PULIAB) will teach you how to leverage industry expertise and experiences to integrate entrepreneurial mindset (EM) into your academic programs in a meaningful and authentic manner. You will learn how the Project Unlock method builds trust and the ability to co-create between industry and academia. By transforming your IAB into an Industrial Partnership Boards, you will continue to see benefits for years to come.

WHO SHOULD ATTEND

Deans, Associate Deans, Department chairs, Faculty leaders

LEARNING OBJECTIVES

At the end of this workshop the participants will be able to:

1. Develop an understanding of EM in the context of industry engagement.
2. Tailor the Project Unlock method to their institution or program in order to create a true partnership with their external constituents.
3. Plan and execute a Project Unlock session with their IAB.
4. Develop strategies to further engage IAB members once a partnership has been formed.

WORKSHOP TEAM



Jessica P.M. Fick
University of Wisconsin - Platteville
Facilitator & Coach



Philip Parker
University of Wisconsin - Platteville
Facilitator & Coach



Jennie Atchison
Drexel University
Facilitator & Coach



Jagadish Torlapati
Rowan University
Facilitator & Coach



Erik Backus
Clarkson University
Facilitator & Coach



Jodi Prorise
University of Wisconsin - Platteville
Facilitator & Coach



REGISTER NOW!

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FOR MORE INFORMATION ON 2024 NATIONAL WORKSHOP OFFERINGS.



REGISTER NOW!

SCAN THE CODE OR VISIT <https://bit.ly/puliab2024>
FOR MORE INFORMATION ON 2024 NATIONAL WORKSHOP OFFERINGS.



MAKERSPARK: A FRAMEWORK FOR DEVELOPING ENTREPRENEURIAL MINDSET MAKING ACTIVITIES

MS

TAGS

MAKERSPACE

MAKER

ENGINEERING COURSE DESIGN



EMBEDDING AN EM IN CIVIL ENGINEERING - STRUCTURES AND MECHANICS

EMCE

TAGS

CIVIL ENGINEERING

STRUCTURES

MECHANICS

EXPERIENTIAL LEARNING

EM IN CIVIL ENGINEERING

AUGUST 12 - 15, 2024

MILWAUKEE, WI

MakerSpark: A Framework for Developing Entrepreneurially Minded Making Activities (MS) provides a framework and methodology for instructors like you to create meaningful making experiences that enhance the delivery and efficacy of your curricular material. The workshop will present an activity design framework that supports you in creating high-impact maker projects that tackle your course's "troublesome knowledge."

The aim of the MS workshop is to help you maximize a return-on-investment in educational interventions. You will engage in each of the 3Cs of the entrepreneurial mindset (EM):

Cultivate curiosity around troublesome knowledge by participating in and designing maker activities.

Make connections between underlying principles and real-world applications through the active translation of concepts to physical artifacts.

Create value through the development of maker activities that engage your students in deeper learning and increase students' ability to apply these concepts in future work.

WHO SHOULD ATTEND

Engineering instructors who are interested in leveraging the power of hands-on, experiential learning in a maker environment but who may have struggled in the past with the ideation and design process.

LEARNING OBJECTIVES

As a result of this workshop, participants will be able to:

1. Define learning objectives based on "troublesome knowledge."
2. Apply backward design to formatively assess learning objectives.
3. Model "troublesome knowledge" in contexts that are familiar to students.

WORKSHOP TEAM



Anna Engelke
University of North Carolina
at Chapel Hill
Facilitator & Coach



Rich Goldberg
University of North Carolina
at Chapel Hill
Facilitator



Glenn Walters
University of North Carolina
at Chapel Hill
Facilitator

AUGUST 12 - 15, 2024

MILWAUKEE, WI

Do you struggle at times to incorporate the entrepreneurial mindset (EM) into your civil engineering courses? The goal of Embedding an EM in Civil Engineering - Structures and Mechanics (EMCE) is to illustrate the presence of curiosity, connections, and creating value within the context of several civil engineering courses, and create an opportunity to embed entrepreneurially minded learning (EML) into a series of civil engineering courses ranging from the first year all the way to capstone.

WHO SHOULD ATTEND

Civil (and potentially Mechanical and Aerospace) Engineering Faculty who teach structures and mechanics related courses.

LEARNING OBJECTIVES

At the end of this workshop the participants will be able to:

1. Learn best practices of using research-based pedagogical methods to embed EML into an activity or course.
2. Experience a variety of vetted activities that use EML approaches.
3. Create your own content and/or modify existing content (e.g. card) to accommodate your needs.

WORKSHOP TEAM



Chris Carroll
Saint Louis University
Facilitator



Matt Lovell
Rose-Hulman Institute of Technology
Facilitator



Matt Swenty
Virginia Military Institute
Facilitator & Coach



C.J. Riley
Oregon Institute of Technology
Coach



David Johnstone
Ohio Northern University
Coach



REGISTER NOW!

SCAN THE CODE OR VISIT <https://bit.ly/makerspark2024> FOR MORE INFORMATION ON 2024 NATIONAL WORKSHOP OFFERINGS.



REGISTER NOW!

SCAN THE CODE OR VISIT <https://bit.ly/emce2024> FOR MORE INFORMATION ON 2024 NATIONAL WORKSHOP OFFERINGS.

“This is my second [EUFD National] workshop and EVERY time I attend I am more inspired to incorporate EM and make my courses better for my students. It was a great workshop.”

“This [EUFD National Workshop] was an excellent experience - one that I would highly recommend for all faculty. For me it was transformative. It moved me from thinking about teaching and learning largely from a content-based perspective to a multi-dimensional perspective asking questions not only about what we should be covering, but why, how, when we should be covering this material and what we can do to empower students to love learning and to be better independent and interdependent learners.”

“I have participated in two EUFD workshops since 2015. These workshops are informative, interactive, and transformative. Post workshop activities, such as coaching, empowered me to implement EML into my classroom effectively. I attribute KEEN for my advancement, institutional teaching award, and ASEE 20 Under 40 recognition.”

“I’ve walked out of every EUFD National Workshop excited to try something new in my teaching! My classes don’t at all look like what they used to. Instead of students dutifully taking notes and turning in weekly assignments, my students are constantly exploring problems, making and prototyping solutions, and reflecting on their efforts and learning. They’re applying broader engineering skills on a daily basis, and they’re doing so with smiles and laughter! I’m actually caught off guard by how much joy they seem to have for engineering. Even when I put them through the wringer in my engineering mechanics class, students are writing in course evaluations that “this was the best engineering class I’ve taken and I’d take it all over again if I could.” Can it get any better than that?”



EngineeringUnleashed.com

