



Industrial Engineering Division

Spring 2021 Newsletter

The Industrial Engineering Division (IED) cordially invites you to attend the 128th Annual Conference and Exposition that will take place virtually from July 26-29, 2021 (PDT). To register for the conference, visit the ASEE website [here](#). You can find the full conference schedule at-a-glance [here](#). For the specific IED events and announcements, please refer to the following.

M429-Industrial Engineering Division Technical Session 1

Mon. July 26, 2021 1:15 PM to 2:45 PM - Pacific Daylight Time

Virtual, Online (Moderated by Dr. Raymond Smith III, Dr. Ebisa Wollega, and Dr. Lisa Bosman)

Papers Presented:

- 1. Lessons Learned from Hybrid Face-to-Face and Virtual Teaching of Various Industrial Engineering Courses During the COVID-19 Pandemic** [\[view paper\]](#)
Dr. Xiaomei Wang (Texas A&M University), Mr. Changwon Son (Texas A&M University), Dr. Farzan Sasangohar (Texas A&M University), and Ms. Jukrin Moon (Texas A&M University)
- 2. A new course development in Usability Engineering: Hands on Learning based on Research Work** [\[view paper\]](#)
Mrs. Enas Aref (Western Michigan University) and Dr. Tycho K Fredericks (Western Michigan University)
- 3. Results of the First 6 Years of a 2 + 2 Online BS Industrial Engineering Degree Pathway** [\[view paper\]](#)
Robert Kelley Bradley (Lamar University, Department of Industrial and Systems Engineering), Dr. James C Curry (Lamar University), Dr. Victor Zaloom P.E. (Lamar University), Dr. Brian Craig P.E. (Lamar University), Dr. Berna Eren Tokgoz (Lamar University), Dr. Alberto Marquez P.E. (Lamar University), Dr. Yueqing Li (Lamar University), Maryam Hamidi (Lamar University), Prof. Weihang Zhu (University of Houston), Dr. Xinyu Liu (Lamar University), and Mr. Acyut Kaneria (Affiliation unknown)

4. **Integrating the Entrepreneurial Mindset Throughout Higher Education: A Case Application for the Industrial Engineering Classroom** [\[view paper\]](#)
Dr. Lisa Bosman (Purdue University (West Lafayette, IN, USA)) and Dr. Nathalie Duval-Couetil (Purdue University at West Lafayette (COE))
5. **HyFlex, Hybrid, and Virtual Synchronous Teaching in the Engineering Classroom: An Autoethnographic Approach** [\[view paper\]](#)
Dr. Lisa Bosman (Purdue University at West Lafayette (COE)) and Dr. Ebisa Wollega (Colorado State University - Pueblo)

T229-Industrial Engineering Division Business Meeting

Tue. July 27, 2021 9:45 AM to 11:15 AM - Pacific Daylight Time

Virtual, Online (Moderated by Dr. Raymond Smith III and Dr. Ebisa Wollega)

W129-Industrial Engineering Division Technical Session 2

Wed. July 28, 2021 8:00 AM to 9:30 AM - Pacific Daylight Time

Virtual, Online (Moderated by Dr. Raymond Smith III, Dr. Ebisa Wollega, and McKenzie Landrum)

Papers Presented:

1. **Using Quizzes Effectively: Understanding the Effects of Quiz Timing on Student Motivation and Knowledge Retention** [\[view paper\]](#)
Major John Case (United States Military Academy) and Major Dereck Kennedy (United States Military Academy)
2. **Effects of Pedagogical Changes to an Engineering Capstone Course During the COVID-19 Pandemic** [\[view paper\]](#)
Dr. Michael Daniel Sherwin P.E. (University of Pittsburgh)
3. **Understanding E-learning Acceptance of Gen Z Students: An Extension of the Technology Acceptance Model (TAM)** [\[view paper\]](#)
Dr. Sanaz Motamedi (University of Florida), Ms. Kierra Marquis (Affiliation unknown), and Hannah Levine (Affiliation unknown)
4. **Poetry Writing in Engineering Education: Results and Insights from an Exploratory Study** [\[view paper\]](#)
Prof. Elif Akcali (University of Florida), Mariana Buraglia (University of Florida), Ms. Andrea Essinfeld (University of Florida), and Dr. Jade Williams (University of Florida)
5. **Fundamental Theorem Learning with Optimum Pedagogy for Technology Integration in Quality Control Course** [\[view paper\]](#)
Ms. McKenzie Landrum (University of Florida), Mr. Austin Hayes (University of Florida), Josefina Giamichelle (Affiliation unknown), Dr. Sima Sabahi (University of Florida), and Ms. Sanaz Motamedi (University of Florida)

W622-Joint Divisions Social Event

Wed. July 28, 2021 5:15 PM to 7:15 PM - Pacific Daylight Time

Virtual, Online (Moderated by Dr. John P Richards P.E. and Dr. Christopher J Rowe)

Call for Officer Position

The Industrial Engineering Division is seeking nominations for Secretary/Treasurer for 2021-22. This is the first year of a five-year rotation, which is followed by Program Chair-elect, Program Chair, Division Chair, and then finally Awards/Past Division Chair. The time commitment is minimal except in the Program Chair year. Please consider nominating someone for this position; self-nominations are welcome. If you have questions, feel free to contact anyone currently on the IED Board. Nominations can be made at the Town Hall Business Meeting on Tuesday, July 27.

IED Board Members Contact Information

The following are the IED officers until the end of the 2021 ASEE Conference. After the conference, the Division Chair, Program Chair, Assistant Program Chair, and Secretary/Treasurer will move up one position.

Division Chair:	Ebisa Wollega ebisa.wollega@csupueblo.edu / (719) 549-2848
Program Chair:	Raymond Smith III smithraym17@ecu.edu / (252) 328-9722
Program Chair-Elect:	Lisa Bosman lbosman@purdue.edu / (765) 496-0267
Secretary/Treasurer:	McKenzie Landrum landrum@ise.ufl.edu / (352) 294-7732
Awards/Past Division Chair:	Paul C. Lynch PCL120@psu.edu / (814) 898-6387
Directors:	Rick Olson (term ending 2022) r_olson@sandiego.edu / (619) 260-6853 Letitia Pohl (term ending 2022) lpohl@uark.edu / (252) 737-1031 Leonardo Bedoya-Valencia (term ending 2021) l.bedoyavalencia@csupueblo.edu / (719) 549-2788 Jessica (Matson) Oswald (term ending 2021) joswalt@tntech.edu / (931) 372-3260
Webmaster:	Lawrence Whitman larry.whitman@wichita.edu / (316) 978-5907
Diversity Committee Delegate:	Karen Bursic kbursic@pitt.edu / (412) 624-9837
P-12 Committee Delegate:	Justin Kyle justin.kile@guinnipiac.edu / (203) 582-3372

Newsletter Submissions Welcome!

The most valuable newsletters are the ones that contain news of interest to the members submitted by the members. If you have something that you'd like to share with the IED, please forward the details to our newsletter editor. The newsletter editor for fall 2021 and spring 2022 is McKenzie Landrum (landrum@ise.ufl.edu). Anything that might be of interest to members are welcome, including:

- Call for papers for conferences related to engineering education, which includes ASEE regional conferences
- Reminders of deadline submission to agencies funding educational research
- Announcements of members receiving teaching awards or other related accolades
- Announcement of papers related to industrial engineering education

Please help add valuable information to promote collaboration, innovation, and impact in the field of industrial engineering!

Visit the ASEE Webpage for more information about the IED <https://sites.asee.org/ied>.