



## Industrial Engineering Division

### Spring 2022 Newsletter

The Industrial Engineering Division (IED) cordially invites you to attend the 129<sup>th</sup> Annual Conference and Exposition that will take place in Minneapolis, Minnesota, from June 26-29, 2022. 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 session locator [here](#) or to the following.

#### Note for All Presenters

All presenters will need to bring their own laptop to be used during the presentation. There will not be any Wi-Fi available at the convention center, so you will need to have all material needed to present on your computer and any adaptors necessary for connecting to HDMI.

#### U73143 - Industrial Engineering Division Technical Session 1

Sun. June 26, 2022 2:15 PM to 3:45 PM

Room: 200B (Moderated by Dr. Kathryn Abel)

#### Papers Presented:

1. **Data Analytics in an Industrial and Systems Engineering Curriculum**  
Kathryn Abel (Stevens Institute of Technology)
2. **Success Factors in a Project-Based Industrial Engineering Senior Design Capstone Course**  
Michael Daniel Sherwin (Assistant Professor), Alison Linares Mendoza (University of Pittsburgh), Renee M Clark (Director of Assessment) (University of Pittsburgh)
3. **A Study on the Effectiveness of using Integrated Nonlinear Storytelling and Simulation-based Learning Game in an Operations Research Course**  
Omar Ashour (Associate Professor of Industrial Engineering) (Pennsylvania State University, Behrend College), Ashley Seamon (Pennsylvania State University, Behrend College), Christian Enmanuel Lopez (Assistant Professor) (Lafayette College), Sabahattin Gokhan Ozden (Assistant Professor), Daniell DiFrancesca

(Assistant Professor of Educational Psychology) (Pennsylvania State University, Behrend College), Conrad Tucker (Professor) (Carnegie Mellon University)

4. **An Overview of the Multi-Disciplinary Data Science (MDaS) S-STEM Scholarship Program**

Manuel D. Rossetti (University Professor) (University of Arkansas), Bryan Hill, Ronna C. Turner (University of Arkansas), Wenjuo Lo (University of Arkansas)

## **U31226 - Industrial Engineering Division Technical Session 2**

**Sun. June 26, 2022 3:00 PM to 4:30 PM**

**Room: 200B** (Moderated by Dr. Genaro Zavala Enriquez)

### **Papers Presented:**

1. **Factors Influencing the Choice of the Industrial Engineering Undergraduate Program**  
Danilo Leal (Professor), Genaro Zavala (Professor) (Tecnologico de Monterrey (ITESM))
2. **Evaluating the Problem-Solving Studio Approach for Teaching Facilities Layout Planning & Design**  
Dimantha Samarajeewa Kottawa Gamage, Durward K. Sobek (Vice Provost) (Montana State University - Bozeman)
3. **Investigation of a professor's feedback on student's divergent thinking performance: an electrodermal activity experiment**  
Elif Elcin Gunay, Danielle Dickson, Rafal Jonczyk (Dr), Janet Van Hell (Professor of Psychology and Linguistics) (Pennsylvania State University), Zahed Siddique (Professor) (University of Oklahoma), Gul Kremer
4. **Recommended Pedagogies to Achieve Fundamental Theorem Learning and Software Integration in Statistical Data Analysis Course (Work in Progress)**  
Tara L Ippolito (University of Florida), McKenzie Landrum (University of Florida), Austin Hayes, Sanaz Motamedi (Dr.) (University of Florida)

## **T229-Industrial Engineering Division Business Meeting**

**Tue. June 28, 2022 1:45 PM to 3:15 PM**

**Room: L100C** (Moderated by Dr. Raymond Smith III)

**Note:** This year's Business Meeting will be an in-person event only. In past years we have tried to offer a virtual option for those unable to attend the conference but due to the exorbitant conference internet connection fees this was not possible. Meeting minutes will be distributed afterwards. If you are interested in running for an officer position and are not able to attend, see the Call for Officer Position section below for more information.

## **Joint Divisions Social Event**

**Tue. June 28, 2022 7:00 PM**

**Ticketed Event**

## Call for Officer Position

The Industrial Engineering Division is **seeking nominations for Secretary/Treasurer for 2022-23**. 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, June 28<sup>th</sup> and in advance by contacting any of the current members of the Board. **If you are unable to attend the Business Meeting and would still like to run for the position**, please create a one Google Slide introduction to yourself that will serve as your nomination. These need to be sent to Raymond Smith ([smithraym17@ecu.edu](mailto:smithraym17@ecu.edu)) by Sunday, June 26<sup>th</sup> at 5:00 PM.

## IED Board Members Contact Information

The following are the IED officers until the end of the 2022 ASEE Conference. After the conference, the Division Chair, Program Chair, Assistant Program Chair, and Secretary/Treasurer will move up one position.

<b>Division Chair:</b>	<b>Raymond Smith III</b> <a href="mailto:smithraym17@ecu.edu">smithraym17@ecu.edu</a> / (252) 328-9722
<b>Program Chair:</b>	<b>Lisa Bosman</b> <a href="mailto:lbosman@purdue.edu">lbosman@purdue.edu</a> / (765) 496-0267
<b>Program Chair-Elect:</b>	<b>McKenzie Landrum</b> <a href="mailto:landrum@ise.ufl.edu">landrum@ise.ufl.edu</a> / (352) 294-7732
<b>Secretary/Treasurer:</b>	<b>Sima Sabahi</b> <a href="mailto:Sima.sabahi@ufl.edu">Sima.sabahi@ufl.edu</a>
<b>Awards/Past Division Chair:</b>	<b>Ebisa Wollega</b> <a href="mailto:ebisa.wollega@csupueblo.edu">ebisa.wollega@csupueblo.edu</a> / (719) 549-2848
<b>Directors:</b>	<b>Rick Olson</b> (term ending 2022) <a href="mailto:r_olson@sandiego.edu">r_olson@sandiego.edu</a> / (619) 260-6853  <b>Letitia Pohl</b> (term ending 2022) <a href="mailto:lpohl@uark.edu">lpohl@uark.edu</a> / (252) 737-1031  <b>Leonardo Bedoya-Valencia</b> (term ending 2021) <a href="mailto:l.bedoyavalencia@csupueblo.edu">l.bedoyavalencia@csupueblo.edu</a> / (719) 549-2788  <b>Paul C. Lynch</b> <a href="mailto:PCL120@psu.edu">PCL120@psu.edu</a> / (814) 898-6387
<b>Webmaster:</b>	<b>Lawrence Whitman</b> <a href="mailto:larry.whitman@wichita.edu">larry.whitman@wichita.edu</a> / (316) 978-5907

**Diversity Committee Delegate:**     **Karen Bursic**  
[kbursic@pitt.edu](mailto:kbursic@pitt.edu) / (412) 624-9837

**P-12 Committee Delegate:**       **Justin Kyle**  
[justin.kile@quinnipiac.edu](mailto:justin.kile@quinnipiac.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 2022 and spring 2023 is Sima Sabahi ([sima.sabahi@ufl.edu](mailto:sima.sabahi@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>.