Industrial Engineering Division

Fall 2020 Newsletter

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2021 ASEE Annual Conference and Exposition

The Industrial Engineering Division (IED) officers encourage the current IED members to plan to attend as well as invite colleagues to the 2021 ASEE Annual Conference and Exposition which will be held in Long Beach, California June 27-30, 2021. The IED theme for the year is Entrepreneurship and Industrial Engineering Education. Here is a link to the call for papers. Author deadlines are noted in the table below.

Mon. October 12, 2020	**AUTHOR DEADLINE:** Abstract Submission Closed
Mon. February 8, 2021	**AUTHOR DEADLINE:** Draft Paper Submission Deadline
Mon. March 22, 2021	**AUTHOR DEADLINE:** Blind Paper with applicable requested revisions
Mon. April 12, 2021	**AUTHOR DEADLINE:** Author Registration Deadline
Mon. April 26, 2021	**AUTHOR DEADLINE:** Upload final paper – all blind indicators removed - Accept the copyright transfer - Add all co-authors - Update all author bios - Select who is "presenting" in Monolith NO CHANGES of any kind for any papers will be accepted after this date

2020-2021 Current IED Officers

McKenzie Landrum, University of Florida, is the new acting Secretary/Treasurer for the 2020-21 academic year. The full list of the current IED officers for the year ending June 2021 is as presented below.

Division Chair:	Ebisa Wollega
Program Chair:	Raymond Smith III
Program Chair-Elect:	Lisa Bosman
Secretary/Treasurer:	McKenzie Landrum
Awards/Past Division Chair:	Paul Lynch
Directors:	Leonardo Bedoya-Valencia ('21)
	Jessica (Matson) Oswalt ('21)
	Tish Pohl ('22)
	Rick Olson ('22)
Webmaster:	Lawrence Whitman
Diversity Committee Delegate:	Karen Bursic
P12 Committee Delegate:	Justin Kile

2020 ASEE Conference IED Business Meeting Summary

Twenty-nine members attended the annual IED annual business meeting, which was conducted virtually. Topics discussed include ASEE code of conduct, bylaws, affiliated divisions, conference attendance, finance, and IED papers statistics.

The Professional Interest Council 1 (PIC I) Chair, Christi Patton Luks, reported several changes. First, the current handbook for the ASEE meetings code of conduct is under re-development to establish committees, policies, processes. Second, all current PICs will dissolve as of the Jun 29, 2020 board meeting and be redistributed. Moving forward, the IED be re-assigned to PIC II (as requested by IED), which is the same PIC group as Engineering Economy, Engineering Management, and Systems Engineering. The PIC II chair is Chell Roberts. Third, there is a new bylaw policy change whereby all units are required to have diversity, equity, and inclusion statement (DEI) in bylaws and approved no later than annual conference 2021. Thereafter, the division bylaws need to be revisited/updated every five years. Fourth, BASS accounts will continue to be charged 30% by ASEE administration to cover the fund management. Each division needs to submit spending/budget plan for the upcoming year. Finally, with respect to information systems, Monolith's replacement is underway. The ASEE Hub is scheduled to be released July 2020 and the AMS and CMS web platforms are scheduled to be released July 2021.

The ASEE annual conference attendance was 3263, the quantity of published papers was 1762 (+8 > 2019), and the quantity of unique authors was 1423 (+19 > 2019). As of 2020 Q2, individual ASEE membership is down 3%, institutional non-academic membership is down 4.08%, and institutional academic membership is down 0.7%.

The IED program chair, Ebisa Wollega, presented the following IED conference papers statistics comparing the current year to the past four years. Overall, the number of abstracts submitted in 2020 increased while the number of papers published in 2020 declined.

	2020	2019	2018	2017	2016
Abstracts submitted	21	15	36	19	27
Abstracts accepted	17	-	-	-	-
Drafts submitted	10	9	24	-	-
Drafts rejected	0	0	2	2	-
Final papers submitted	7	9	21	-	-
Papers transferred	0	0	0	-	-
Papers published	7	9	21	9	16
Diversity related	1	2	7	2	-
Posters	0	0	2	1	0
Panels	0	0	0	1	0
Reviewers pool	41	31	60	63	-
Reviewers assigned	36	17	51	36	-

2020 Awards

IED Best Paper Award
- "Applying Artificial Intelligence to the Beer Game" by Dr. Lisa Bosman (Purdue University, West Lafayette), Dr. Aasakiran Madamanchi (Purdue University, West Lafayette), Dr. Scott R. Bartholomew (Purdue University, West Lafayette), and Dr. Vetria L. Byrd (Purdue University, West Lafayette)

IED Best Paper Award Runner-Up
- "Incorporating Divergent Thinking Skills Development into a Project-based Course in Industrial and Systems Engineering" by Prof. Elif Akcali (University of Florida), Prof. Wayne C.W. Giang (University of Florida), and Ms. McKenzie Landrum (University of Florida)

New IE Educator Outstanding Paper Award
- "Multiplayer Physical and Virtual Reality Games for Team-based Manufacturing Simulation" by Dr. Faisal Aqlan (Pennsylvania State University)
- Co-Authors: Dr. Richard Zhao (Pennsylvania State University), Dr. Lisa Jo Elliott (Pennsylvania State University), and Mr. Ethan James Baxter (Pennsylvania State University)

IED Outstanding Student Paper Award
- "The CLICK Approach and Its Impact on Learning Introductory Probability Concepts in an Industrial Engineering Course" by Mr. James Devin Cunningham (Pennsylvania State University)
- Co-Authors: Dr. Christian Emmanuel Lopez (Lafayette College), Dr. Omar Ashour (Pennsylvania State University), Dr. Conrad Tucker (Carnegie Mellon University), and Dr. Paul C. Lynch (Pennsylvania State University)