ASEE DIVISION POSTER SESSION
Monday, June 26
9:15 am - 10:45 am

Board #	ID	Title	Division	Author	Author Email
1	39400	WIP: Biophilic Design and Its Effects on Mental and Physical Health	Architectural Engineering Division (ARCHE)	Alexandria s Lahman	aslahman@icloud.com
2	40356	WIP: Mind-mapping to Improve Architecture Students Skills in Navigating Hands-on and Lecture-based Pedagogies	Architectural Engineering Division (ARCHE)	Ignacio Guerra P.	iguerrap7@gmail.com
2A	39319	WIP: Opportunities in Cultural Dimensions between Architecture and Civil Engineering students in Ecuador	Architectural Engineering Division (ARCHE)	Miquel Andres Guerra	MAGuerra@usfq.edu.ec
2B	39819	WIP: What architects should learn according to the industry in seismic countries	Architectural Engineering Division (ARCHE)	Miquel Andres Guerra	MAGuerra@usfq.edu.ec
3	40465	WIP - Bachelor of Science in Engineering Technology with Biomedical Concentration (BMET) Curriculum Development	Biomedical Engineering Division (BED)	Iftekhar Ibne Basith	iib002@shsu.edu
4	38647	WIP: An Integrative Remote Patient Monitoring Industry-Classroom Program for Undergraduate Biomedical Engineering Students	Biomedical Engineering Division (BED)	Alexis Ortiz-Rosario	ortiz-rosario.1@osu.edu
5	37835	WIP: An Interdisciplinary Project Development Pipeline Connecting Undergraduate Biomedical Engineering and Medicine Students	Biomedical Engineering Division (BED)	Anthony E. Felder	afelde2@uic.edu
6	37822	WIP: Development and Implementation of a Makerspace Class for BME Undergraduates to Enhance Skills in Senior Design	Biomedical Engineering Division (BED)	Miiri Kotche	mkotch2@uic.edu
7	39361	WIP: Leaders or Co-leaders? How Shared Leadership Takes Place in an Undergraduate Biomedical Engineering Design Program	Biomedical Engineering Division (BED)	Constanza Miranda	constanzamiranda@jhu.edu
8	38648	WIP: Proposing a Novel Nested-Team Approach for a Biomedical Engineering Capstone Design Project	Biomedical Engineering Division (BED)	Alexis Ortiz-Rosario	ortiz-rosario.1@osu.edu
9	38235	Work in Progress: A Case Study in Product Liability: Promoting Student Engagement with Standards.	Biomedical Engineering Division (BED)	Matthew Williams	matthew.williams@case.edu
10	38897	Work in Progress: A Themed Problem-Learning Redesign of Bioinstrumentation Lectures	Biomedical Engineering Division (BED)	Xianglong Wang	xlowang@ucdavis.edu
11	38501	Work in Progress: An Enhanced Active Learning Approach to Turning Classroom into a Neighborhood	Biomedical Engineering Division (BED)	Zhinan Wang	znw@uic.edu
12	38361	Work in progress: Assessment and impact of a Clinical Observations and Needs Finding service-learning course on Biomedical Engineering outcomes	Biomedical Engineering Division (BED)	Timothy J. Muldoon	tmuldoon@uark.edu
13	38847	Work in Progress: Clinical Immersion Model for Biomedical Engineering Undergraduate Students with Experienced Nurses	Biomedical Engineering Division (BED)	Loay Al-Zube	ALZUBELO@MOUNTUNION.EDU

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14	37241	Work in Progress: Co-creation of Teaching Team Competencies and Values	Biomedical Engineering Division (BED)	Jennifer Leight	leight.1@osu.edu
15	39458	Work in Progress: Cultivating Growth of Systems Thinking Habit of Mind over a Five Course Fundamental Sequence	Biomedical Engineering Division (BED)	Lisa Weeks	lisa.weeks@maine.edu
16	38190	Work in Progress: Designing a course to equip Bioengineering graduate students with effective and equitable teaching skills	Biomedical Engineering Division (BED)	Callan E Monette	cmonette@stanford.edu
17	38478	Work in progress: Immersive Virtual Reality-Based Learning in Biomedical Engineering Labs: Lessons Learned and Recommendations for Efficient Integration	Biomedical Engineering Division (BED)	Mostafa Elsaadany	mselsaad@uark.edu
18	37928	Work in Progress: Implementation of a Junior-level Biomedical Engineering Design Course Focused on the Manufacturing of Electrospun Nanofibers.	Biomedical Engineering Division (BED)	Christian Poblete Rivera	cprivera08@gmail.com
19	39938	Work in Progress: Integrating Ethics Education across the Biomedical Engineering Curriculum Increases Student Awareness of Frameworks and Broader Applications to Practice	Biomedical Engineering Division (BED)	Cameron Kim	cmk30@duke.edu
20	39095	Work in Progress: Investigating the Impact of International Education on Cultural Understanding, Health Disparities and Collaboration through Project-based Learning	Biomedical Engineering Division (BED)	Raj R. Rao	rajrao@uark.edu
21	38475	Work In Progress: Jigsaws as an Effective Approach for Developing Analytical and Collaboration Skills in Healthcare Systems and Process Design Courses	Biomedical Engineering Division (BED)	Uri Feldman	feldmanu@wit.edu
22	37084	Work in Progress: Promoting and Assessing Curiosity Through A Tissue Engineering Course Project Incorporating Biomimicry	Biomedical Engineering Division (BED)	Wujie Zhang	wujiez554@hotmail.com
23	40038	Work In Progress: Quality Management Systems Applied to Assessment in a Biomedical Engineering Course	Biomedical Engineering Division (BED)	Ross Aaron Petrella	rapetrel@ncsu.edu
24	38094	Work in Progress: Teaching Cardiovascular Physiology with Computational Modeling - Insight from a New, Team-Taught Course in Biomedical Engineering	Biomedical Engineering Division (BED)	Mitchel Jonathan Colebank	mcoleban@uci.edu
25	37504	Work in Progress: Teaching Fundamental Design Principles through Integration of Knowledge and Curriculum Design	Biomedical Engineering Division (BED)	Adel Alhalawani	alhalawa@rose-hulman.edu
26	38832	Work in Progress: Technical Scientific Writing across the BME curriculum	Biomedical Engineering Division (BED)	Amy Adkins	anadkins@ncsu.edu

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27	39929	Work-in-Progress: Developing Underrepresented Biomedical Engineering Students Persistence in a First-Year Introductory Design Course	Biomedical Engineering Division (BED)	Janna Jobel	janna_jobel@uml.edu
28	39991	Work-in-progress: Transforming the Molecular and Cellular Engineering Educational Experience in Biomedical Engineering	Biomedical Engineering Division (BED)	Cameron Kim	cmk30@duke.edu
29	37606	Compiling Census Data and Atmospheric Repository Data to Infer Socio-Environmental Trends	Chemical Engineering Division (ChED)	Joe Woo	wooj@lafayette.edu
30	38485	Incorporating the Impact of Engineering Solutions in Global, Economic, Environmental, and Social Contexts into our Core Curriculum	Chemical Engineering Division (ChED)	Taryn Melkus Bayles	tbayles@pitt.edu
31	37046	Research Experiences and Mentoring in Separations	Chemical Engineering Division (ChED)	Thomas McKean	tmckean@uark.edu
32	39388	Work in Progress: A Laboratory Platform for Learning for Chemical Engineering	Chemical Engineering Division (ChED)	Benjamin Miles Phillips	ben_phillips@baylor.edu
33	37150	Work in Progress: Active Learning of Kinetics and Reactor Design Through a Jupyter Notebook	Chemical Engineering Division (ChED)	Jaafar A Ballout	jaafar.ballout@qatar.tamu.edu
34	39773	Work in Progress: Simple, Scalable Interventions to Address Academic and Mental-Health Barriers in Engineering Undergraduates	Chemical Engineering Division (ChED)	Maureen Tang	mhtang@drexel.edu
35	38663	Assessing Students' Perspectives and Attitudes Toward Social Justice and Compassion in Civil Engineering (Work in Progress)	Civil Engineering Division (CIVIL)	Cristian Eduardo Vargas-Ordonez	cvargaso@purdue.edu
36	39288	Case Study: Sequential Development of Sensing Skills in a Civil and Environmental Engineering Curriculum	Civil Engineering Division (CIVIL)	Sarah Jane Christian	schristian@cmu.edu
37	39380	Developing Globalized Petroleum Engineers (WIP)	Civil Engineering Division (CIVIL)	Roman Taraban	roman.taraban@ttu.edu
37A	39578	Driving Simulators as Educational Outreach for Freight Tr	Civil Engineering Division (CIVIL)	Sarah Hernandez	sarahvh@uark.edu
38	38867	Identifying the Strengths and the Cracks of Mastery Based Assessment in Reinforced Concrete Design (Case Study)	Civil Engineering Division (CIVIL)	Anthony Battistini	anthony.battistini@angelo.edu
39	38845	Increasing Students Understanding of Stakeholder Perspectives: A Value-Sensitive Design Case Study	Civil Engineering Division (CIVIL)	Ellen Zerbe	ezerbe3@gatech.edu
39A	39004	Board 39A: Improving Engineering and Social Science Students Research Efficacy and Career Motivation in Sustainable Development through International and Transdisciplinary Research Experiences	Civil Engineering Division (CIVIL)	Matthew Verbyla	mverbyla@sdsu.edu
39B	37256	Board 39B: Navigating Intersectional Identities in Civil Engineering Education and Practice	Civil Engineering Division (CIVIL)	Elliott Clement	clemenel@oregonstate.edu
40	37906	Using â€œAnchored Instructionâ€ to Teach Fundamental Bridge Engineering Principles: A Case Study.	Civil Engineering Division (CIVIL)	Robin Tuchscherer	Robin.Tuchscherer@nau.edu

41	39438	WIP â€“ Community of Practice as a Theory of Change for Infrastructure Education	Civil Engineering Division (CIVIL)	Kristen L. Sanford	sanfordk@lafayette.edu
42	39532	WIP: Reflections on teaching an engineering course through murder mysteries	Civil Engineering Division (CIVIL)	Krisha Kumar	krishnak@utexas.edu
43	37419	Work in Progress: Low Enrollment in Civil Engineering Departments: Challenges and Opportunities	Civil Engineering Division (CIVIL)	Ayatollah S Yehia	ay8tb@virginia.edu
44	37746	Work-In-Progress: What Goes into an Engineering Decision: An Infrastructure Decision-Making Game for Exploratory Equity Learning	Civil Engineering Division (CIVIL)	Eun Jeong Cha	ejcha@illinois.edu
44A	39820	Board 44A: Work in Progress: Unannounced Frequent Examinations to contribute student learning and building academic integrity	Civil Engineering Division (CIVIL)	MiguelAndres Andres Guerra	MAGuerra@usfq.edu.ec
44B	39821	Board 44B: Work in Progress: TikTok Format Videos to Improve Communicating Science in Engineering Students	Civil Engineering Division (CIVIL)	MiguelAndres Andres Guerra	MAGuerra@usfq.edu.ec
45	38644	A mandatory early internship course: An analysis of engineering identity of students.	College Industry Partnerships Division (CIP)	Juan Felipe CalderÃ³n	juan.calderon@unab.cl
46	39113	â€œGood communication skills are super, super importantâ€Developing students professional communication skills for career-ready engineers	College Industry Partnerships Division (CIP)	Jennifer Linvill	jlinvill@purdue.edu
47	37267	An Analysis of the Existence of Metrics for University/Industry Collaboration	College Industry Partnerships Division (CIP)	Carolyn Kusbit Dunn	dunnca@ecu.edu
48	36995	Partnering with Industry to Establish a New University Engineering Program	College Industry Partnerships Division (CIP)	Charles E. Baukal	chuck.baukal@okbu.edu
49	36732	Project-based learning course co-designed with regional enterprises	College Industry Partnerships Division (CIP)	Lufan Wang	lufwang@fiu.edu
50	39206	Unlock the Potential of Industry Partners for Engineering Education	College Industry Partnerships Division (CIP)	Erik Backus	ebackus@clarkson.edu
51	39964	Utilizing Technical Competitions to Enhance Diverse Workforce Recruitment and Retention	College Industry Partnerships Division (CIP)	Jacalynn Sharp	stjsharp1@gmail.com
52	40314	Engagement in Practice: Role of Community Engagement in Disaster Recovery	Community Engagement Division (COMMENG)	Azadeh Bolhari	azadeh.bolhari@colorado.edu
53	38113	Engagement in Practice: Strengthening Student's STEM Identity Through Service	Community Engagement Division (COMMENG)	Selvin Yovani Tobar	selvin.ytt@gmail.com
54	37883	How a Civic Internship Impacts Student Professional Discernment	Community Engagement Division (COMMENG)	Kerry Meyers	kmeyers1@nd.edu
54A	37600	Board 54A: Student Impacts from Outreach-based Flood Risk Research in Rural Texas, USA	Community Engagement Division (COMMENG)		Erick Benjamin Butler

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55	38631	(Work in Progress) Adapting the First Programming Course for Undergraduate Students of Mathematics Major	Computers in Education Division (COED)	Maristela Holanda	maristela.holanda@gmail.com
56	39758	Using anonymous grading for high-stakes assessments to reduce performance discrepancies across student demographics	Computers in Education Division (COED)	Neha B. Raikar	nraikar@umbc.edu
57	38086	WIP - A Web-based Face Recognition Application for Better In-Person Learning	Computers in Education Division (COED)	Shirley Qin	shirley.qin@mail.utoronto.ca
58	39119	WIP: Enhancing Workforce Development of Data Science Skills within Domain-Specific Programs	Computers in Education Division (COED)	Ryan Solnosky	rls5008@psu.edu
59	37670	WIP: Lab Container: An environment to manage a studentâ€™s time to complete programming labs while providing effective feedback from course staff	Computers in Education Division (COED)	Yu Sheng Pan	sam.pan2000325@gmail.com
60	37750	Work in Progress - Development and implementation of a virtual reality application in high school geometry education.	Computers in Education Division (COED)	CHINYERE OFFOR	obiagelichinyere566@gmail.com
61	39201	Work in Progress: Applied Programming Experiences (APEX) for Community College Students	Computers in Education Division (COED)	Valerie Carr	valerie.carr@sjsu.edu
62	40241	WITHDRAWN: Work In Progress: Personalizing STEM Ecampus Study Strategies with an Innovative eNotebook	Computers in Education Division (COED)	Quintana M. Clark	quincy.clark@oregonstate.edu
63	38248	Work in progress: Uncovering engineering students sentiments from weekly reflections using natural language processing	Computers in Education Division (COED)	Ahmed Ashraf Butt	i.ahmedbutt@gmail.com
64	37639	Work in Progress: Update on the Impact of Secure and Upgrade Computer Science in Classrooms through an Ecosystem with Scalability & Sustainability (SUCCESS)	Computers in Education Division (COED)	Lynette Michaluk	lynnette.michaluk@mail.wvu.edu
65	39463	Work in Progress: Using Natural Language Processing to Facilitate Scoring of Scenario-Based Assessments	Computers in Education Division (COED)	Matthew Norris	mbnorris@vt.edu
66	36704	A Comparison Study: Challenges and Advantages of Offering Online Graduate Level Statistical Course	Continuing Professional Development Division (CPD)	Yuan-Han Huang	yxh25@psu.edu
67	39706	A guide for Generation Z students to meet the Future Skills requirements of Industry 4.0	Continuing Professional Development Division (CPD)	Patricia Caratozzolo	pcaratozzolo@tec.mx
68	39135	WIP: Development of a Certification Framework for a Microelectronics Workforce Development Program	Continuing Professional Development Division (CPD)	Eric Holloway	eahollow@purdue.edu
69	39410	Co-ops are Great! but What Are the Final Numbers Telling Us?	Cooperative and Experiential Education Division (CEED)	Paul John Ackerman	packerman@ycp.edu
70	39556	Impact of First Co-op Experience on Student Retention and Learning: A Work in Progress	Cooperative and Experiential Education Division (CEED)	Fazel Ranjbar	ranjbafl@mail.uc.edu

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71	38053	Innovation-Based Learning. Learning by Failure	Cooperative and Experiential Education Division (CEED)	Isaac Heizelman	idheizelman@gmail.com
72	38923	How to Develop Engineering Students as Design Thinkers: A Systematic Review of Design Thinking Implementations in Engineering Education	Design in Engineering Education Division (DEED)	Yuwei Deng	
73	39417	The Impact of â€œGreenâ€Requirements in Engineering Students Design Projects on Engineering Students Green Mindset	Design in Engineering Education Division (DEED)	Xiuhua Si	asi@calbaptist.edu
74	37648	Work-in-Progress: Containing Design: Rethinking Design Instruction to Support Engineering Device Development for Low-Income Countries	Design in Engineering Education Division (DEED)	Ann Saterbak	ann.saterbak@duke.edu
75	38924	Work-in-Progress: Instructor and Student Reflections on First-year Engineering Design	Design in Engineering Education Division (DEED)	Kyung S Kang	kkang@marian.edu
76	39980	Work-in-Progress: Threshold Concepts in Capstone Desgin	Design in Engineering Education Division (DEED)	Elizabeth A. Debartolo	eademe@rit.edu
77	39650	A Study on Student Success in Circuit Theory with Complimentary Videotaped Problem-Solving Demonstrations in Challenging Times	Electrical and Computer Engineering Division (ECE)	Mohammad Ashraf Khan	mkhan126@svsu.edu
78	39916	ADEP: Asset-Driven Equitable Partnerships (WIP)	Electrical and Computer Engineering Division (ECE)	Kenneth A Connor	connor@rpi.edu
79	37037	Course Improvement of An Introduction to Programming Course in ECE: Customizing Learning Paths for Parallel Computing Topics	Electrical and Computer Engineering Division (ECE)	Yuting W. Chen	ywchen@illinois.edu
80	40308	Design and Development of a Rooftop Photovoltaics Laboratory for Advanced Engineering Education	Electrical and Computer Engineering Division (ECE)	Sandip Das	sdas2@kennesaw.edu
81	37882	Electrical Engineering Faculty and Student Perceptions of a Professional Formation Course Sequence	Electrical and Computer Engineering Division (ECE)	Holland Banse	holland@magnoliaconsulting.org
82	39912	Remote, Hands-on ECE Teaching: Project RECET	Electrical and Computer Engineering Division (ECE)	Kenneth A Connor	connor@rpi.edu
83	38206	Sensor Fusion Algorithms and Tracking for Autonomous Systems	Electrical and Computer Engineering Division (ECE)	Zekeriya Aliyazicioglu	zaliyazici@cpp.edu
84	39917	The 2TO4 Project - Facilitated Transition from 2-Year to 4-Year Engineering Studies (WIP)	Electrical and Computer Engineering Division (ECE)	Kenneth A Connor	connor@rpi.edu
85	39403	Using Telecommunication Instructional Modeling System (TIMS) in Electrical and Computer Engineering Courses	Electrical and Computer Engineering Division (ECE)	Jiahui Song	songj@wit.edu
86	38684	Utilization of Inexpensive, Safe, and Portable Electronic Instrumentation System to Increase Students Performance in Multiple Stem Disciplines	Electrical and Computer Engineering Division (ECE)	Oludare Adegbola Owolabi	Oludare.Owolabi@morgan.edu

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87	37131	Work in Progress WIP Comparing the most demanded skills for Electrical and Computer Engineers (ECE) Graduates in the United States from the Perspective of ECE Academic Department Heads and ECE Professional Engineers	Electrical and Computer Engineering Division (ECE)	Mohammad Al Mestiraihi	mohammad.almestiraihi@usu.edu
88	38654	Work in Progress: Impact of Electronics Design Experience on Non-majors Self-efficacy and Identity	Electrical and Computer Engineering Division (ECE)	Tom Zajdel	tzajdel@andrew.cmu.edu
89	40162	Work in Progress: Use of Simscape in an Introductory Power Electronics Course	Electrical and Computer Engineering Division (ECE)	Cherian Mathews	cmathews@pacific.edu
90	37983	Core Feature Extraction with Computer Vision	Energy Conversion, Conservation and Nuclear Engineering Division (ECCNE)	Salvador A. Vargas	svargas12@csub.edu
91	39511	Work-in-Progress: A Systematic Gap Analysis of the Australian Power Engineering Curriculum	Energy Conversion, Conservation and Nuclear Engineering Division (ECCNE)	Hua Chai	hua.chai@unsw.edu.au
92	39056	**MOVED TO SESSION**: W3355 - Work in Progress: Developing a Leadership Community of Practice Toward a Healthy Educational Ecosystem	Engineering Leadership Development Division (LEAD)	Corin L. Bowen	cbowen5@calstatela.edu
93	39180	Collection Management in Preparation for Building Restoration: University of Illinois Mathematics Library	Engineering Libraries Division (ELD)	Kendall Neumann	kn17@illinois.edu
94	37989	Developing Support for Critical Citation Requirements for Civil and Environmental Engineering Graduate Research	Engineering Libraries Division (ELD)	Sarah Weiss	srweiss@umd.edu
95	39315	Exploring an Engineering Student-Centered Approach to Library Outreach and Engagement by Listening First	Engineering Libraries Division (ELD)	Wynn Tranfield	wynntranfield@ucsc.edu
96	37905	Exploring the Impact of Textbook Costs on Undergraduate Engineering Majors	Engineering Libraries Division (ELD)	Jentry Elizabeth Campbell	
97	38469	Is There a Relation between Research Topics and High-Impact Journals in Biomedical Engineering?	Engineering Libraries Division (ELD)	Qianjin Zhang	qianjin-zhang@uiowa.edu
98	38590	Exploring the Relationship Between Team Personality and Team Dynamics in Construction Project Teams: A Literature Review	Engineering Management Division (EMD)	Rebecca Kassa	rebecca.kassa@ku.edu
99	39372	Systematic Literature Review on Organizational Resilience in the Context of Higher Education Institutions	Engineering Management Division (EMD)	Diego Alejandro Polanco-Lahoz	Diego.Polanco-Lahoz@ttu.edu
100	38916	Hot Wheels: Heated-Seat Wheelchair	Engineering Physics and Physics Division (EP2D)	Bala Maheswaran	mahes@coe.neu.edu
101	39736	Rebounding Energy	Engineering Physics and Physics Division (EP2D)	Bala Maheswaran	mahes@coe.neu.edu

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102	37799	Design and Development HyFlex Courses for Undergraduate Students	Engineering Technology Division (ETD)	Kazi Imran	imran_buet97@yahoo.com
103	36768	Solar-Powered Car Speed Radar Measurement, Display, and Logging System	Engineering Technology Division (ETD)	Mohsen Azizi	azizi@njit.edu
104	38696	An Accelerator of Human Innovation Integrating Continuous Improvement and Lean Philosophy into Innovation Program for Undergraduate Students	Entrepreneurship & Engineering Innovation Division (ENT)	Omar H Albalawi	oalbalawi@ut.edu.sa
105	38837	Building a Framework to Understand the Impact of Entrepreneurship Support Programs on the Formation of Engineers	Entrepreneurship & Engineering Innovation Division (ENT)	Stephanie Cutler	slc5822@psu.edu
106	39595	Innovation through Making Course: Creating a Distinctive Prototyping Experience as Part of a New Entrepreneurial Pathway (Work in Progress)	Entrepreneurship & Engineering Innovation Division (ENT)	Mitra Varun Anand	mvanand@wpi.edu
107	38446	Work in Progress: Development of an Innovation Corps-Modeled Bioengineering Course to Promote Entrepreneurial Engagement among Undergraduate Students.	Entrepreneurship & Engineering Innovation Division (ENT)	Mostafa Elsaadany	mselsaad@uark.edu
108	38885	Enhancing Environmental Engineering Curriculum for the Transportation Industry	Environmental Engineering Division (ENVIRON)	Ramanitharan Kandiah	rkandiah@centralstate.edu
109	40323	BYOE: Laboratory Exercise using Augmented Reality and Virtual Reality for Environmental Engineering Curriculum	Experimentation and Laboratory-Oriented Studies Division (DELOS)	Azadeh Bolhari	azadeh.bolhari@colorado.edu
110	39809	Work-in-Progress: Engaging Students in Remote Delivery of an Electronic Printing Laboratory Course	Experimentation and Laboratory-Oriented Studies Division (DELOS)	Yuejin Xu	yxu@murraystate.edu
111	37283	A Systematic Review of Instruments Used to Evaluate the Effectiveness of the Entering Mentoring Curriculum	Faculty Development Division (FDD)	Ha Pho	ha_pho@uml.edu
112	39713	Creating an Institutional Culture of Empowering Faculty for Student-centered Learning through a Pilot Program	Faculty Development Division (FDD)	Sally J. Pardue	spardue@tntech.edu
113	39472	Engineering Faculty's Academic Influence on Student Persistence: Faculty Use, Knowledge, and Comfort in Providing Encouragement to Students	Faculty Development Division (FDD)	Rachel Ziminski	rachel_ziminski@student.uml.edu
115	40082	LESSONS LEARNED: A 360 Degree Review of Faculty Development Resources	Faculty Development Division (FDD)	Randy McDonald	randymcdonald@tamu.edu
116	38802	Lessons Learned: Building Our Capacity to Engage in Engineering Education Research	Faculty Development Division (FDD)	John Sangster	john.sangster@northeastern.edu
117	38012	WIP: Exploring the Teaching Journey of Early-career Engineering Faculty	Faculty Development Division (FDD)	Marcus Melo de Lyra	mmelodel@asu.edu

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118	39734	Systems Engineering Initiative for Student Success (SEISS) Framework for Transforming Organizational Designs	Industrial Engineering Division (IND)	Arunkumar Pennathur	arunkumar-pennathur@uiowa.edu
119	39962	WIP: Three Scaffolding Approaches to Foster a Tolerance for Ambiguity in an Undergraduate Engineering Statistics Course	Industrial Engineering Division (IND)	Jeremi S London	jslondon@vt.edu
120	38748	A Study of the Bangladeshi Engineering Students Perceptions to Succeed Academically	International Division (INTL)	Md Sakib Ullah Sourav	sakibsourav@outlook.com
121	39193	Using Tutor-led Support to Enhance Engineering Student Writing for All	Liberal Education/Engineering & Society Division (LEES)	Johanna Bodenhamer	jobode@iu.edu
122	39063	Work in Progress: Identity and Positioning of International Students in Sociotechnical Discussions	Liberal Education/Engineering & Society Division (LEES)	Chelsea Joy Andrews	chelsea.andrews@tufts.edu
123	38145	Data Analytics Short Courses for Reskilling and Upskilling Indiana's Manufacturing Workforce	Manufacturing Division (MFG)	Lucas Wiese	
124	36706	MAKER - Recycling HDPE in an Academic Makerspace	Manufacturing Division (MFG)	Austin Talley	austintalley@txstate.edu
125	38913	Taking an Experiential Learning Approach to Industrial IoT Implementation for Smart Manufacturing through Course Work and University-Industry Partnerships	Manufacturing Division (MFG)	Lucas Wiese	
126	40221	Work in progress: Incorporating Virtual Programming Concepts in an Advanced Robotics Course for Machining Processing and Quality Inspection of CNC Machines and Industrial Robots	Manufacturing Division (MFG)	Yalcin Ertekin	yme25@drexel.edu
127	37521	Adding Inexpensive Sand Casting to Mechanical Engineering Capstone â€“ Impacts on Student Inventiveness and Attitude	Mechanical Engineering Division (MECH)	Ting Dong	dting0603@ufl.edu
128	38999	An Automated Management Process for Digital Correction	Mechanical Engineering Division (MECH)	Sami Ammar	sami.ammar@polymtl.ca
129	39678	Analyzing Student Learning Level for the Authentic Learning Assignment "Design Your Own Problem" Using Bloomâ€™s Taxonomy	Mechanical Engineering Division (MECH)	Elisa Koolman	elisa.koolman@my.utexas.edu
130	36698	Continuous Improvement of a Mechanical Engineering Senior Seminar Using Student Feedback	Mechanical Engineering Division (MECH)	Yucheng Liu	yucheng.liu@sdstate.edu
131	38274	Investigating the Impact of a Mechanical Engineering Undergraduate Research Experience on Student Learning (Work in Progress)	Mechanical Engineering Division (MECH)	Nosakhare Iyobosa Idiaghe	nidiaghe2@huskers.unl.edu
132	39427	Notes on Design of Keyed Joints	Mechanical Engineering Division (MECH)	Alex C. Szatmary	alexszatmary@kings.edu
133	37512	The Design, Implementation, and Lessons Learned of an Atmospheric Water Generator Device	Mechanical Engineering Division (MECH)	Karim Altaii	altaiikx@jmu.edu

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134	38161	The HapConnect: Teaching about Haptics and Inclusive Design with Modular, Wearable Technology	Mechanical Engineering Division (MECH)	Bryan MacGavin	bryan.macgavin@slu.edu
135	38302	Undergraduate Projects/Research in a Liberal Arts College	Mechanical Engineering Division (MECH)	Niloofar Kamran	nkamran@cornellcollege.edu
136	40204	Utilizing Active Learning to Replace Traditional Homework in Undergraduate Engineering Majors	Mechanical Engineering Division (MECH)	Zahra Pournorouz	zpournor@stevens.edu
137	39083	WIP: Engaging Mechanical Engineering Students in Projects of Caring: Socially and Environmentally Responsible Projects that Go out into the Public Domain	Mechanical Engineering Division (MECH)	Vincent Nguyen	vince1@umd.edu
138	37258	(Re)Engineering Student Success: Constructing Knowledge on Summer Bridge Students Experiences to Encourage Holistic Student Success	Minorities in Engineering Division(MIND)	Shaylin Williams	shaylinwilliams1998@gmail.com
139	37168	Factors Affecting Enrollment, Retention, and Attrition of STEM Undergraduates at a Minority Serving Institution	Minorities in Engineering Division(MIND)	Claudia Calle MÃ¼ller	ccall052@fiu.edu
140	40330	Work in Progress: Exploring Innovation Self-Efficacy in Neurodiverse Engineering Students	Minorities in Engineering Division(MIND)	Azadeh Bolhari	azadeh.bolhari@colorado.edu
141	38431	Work in progress: Investigating Historically Marginalized Group Disparities in Biomedical Engineering Entrepreneurially Minded Learning	Minorities in Engineering Division(MIND)	Mostafa Elsaadany	mselsaad@uark.edu
142	39286	A New Paradigm for Sustainability Engineering: A Transdisciplinary, Learner-Centered, and DEI-Focused Approach	Multidisciplinary Engineering Division (MULTI)	Aidsa I. Santiago-Roman	aidsa.santiago@upr.edu
143	39869	Challenges Faced by Students Transitioning from High School to College	Multidisciplinary Engineering Division (MULTI)	Lizzie Santiago	lxs187@yahoo.com
144	39067	Interdisciplinary & International Research Experiences in Bioinspired Science & Technology	Multidisciplinary Engineering Division (MULTI)	Teddy Ivanitzki	T.Ivanitzki@asee.org
145	38028	Possible Relations between Self-Efficacy, Sociodemographic Characteristics, Dropout and Performance of Freshman Students in Engineering Courses	Multidisciplinary Engineering Division (MULTI)	CRISTIANE MARIA BARRA DA MATTA	cristianebarra@maua.br
146	40011	Work in Progress: Incorporating Learning Strategies and Theory into a Multidisciplinary Design Capstone Course	Multidisciplinary Engineering Division (MULTI)	Bob Rhoads	rhoads.2@osu.edu
147	38372	Work-in-Progress: The Effect of Summarizing a Research Article on Students' Area of Robotics Interest	Multidisciplinary Engineering Division (MULTI)	Siobhan Oca	skr23@duke.edu
148	38432	A Qualitative Study of Factors Influencing K-12 Students' Interest in STEM Career (Fundamentals)	Pre-College Engineering Education Division (PCEE)	Ibukun Samuel Osunbunmi	iso5023@psu.edu

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149	39877	Advancing Participation in Engineering via Interdisciplinary Curricular Collaborations (Work in Progress)	Pre-College Engineering Education Division (PCEE)	Evelyn Hanna	hannae@kentplace.org
150	37405	AFRL Career STREAM Implementation at NMT (Work in Progress)	Pre-College Engineering Education Division (PCEE)	Destiny J Crawford	destiny.crawford@student.nmt.edu
151	37528	An After-school STEM Program with a Novel Equitable and Inclusive Structure (Work in Progress, Diversity)	Pre-College Engineering Education Division (PCEE)	Matt Aldeman	maldema@ilstu.edu
152	37984	An Analysis of School District Adoption of K-12 Engineering Curriculum (Evaluation) (DEI)	Pre-College Engineering Education Division (PCEE)	Michael R Odell	modell@uttyler.edu
153	38912	An Immersive Summer Camp Designed for Underrepresented Populations and Its Effectiveness on Increasing Pre-College Awareness and Broadening Participation in Engineering (Evaluation)	Pre-College Engineering Education Division (PCEE)	Tanja Greene	tgreene@marian.edu
154	37610	An Introductory Aeronautics Course for Pre-Engineering Students to Understand How Drones Work	Pre-College Engineering Education Division (PCEE)	Shouling He	shouling.he@vaughn.edu
155	38035	Broadening Participation and the Mission of Engineering for US All (e4usa) through Design Projects That Engage Students with Disabilities as Stakeholders (Work in Progress)	Pre-College Engineering Education Division (PCEE)	Jennifer Kouo	jkouo@towson.edu
156	37886	Concrete Tools to Practice Diversity, Equity, Inclusion, and Belonging in the STEM Classroom	Pre-College Engineering Education Division (PCEE)	Geniene K Minkus	genienem@gmail.com
157	37605	Conducting the Pilot Study of Integrating AI: An Experience Integrating Machine Learning into Upper Elementary Robotics Learning (Work in Progress)	Pre-College Engineering Education Division (PCEE)	Geling Xu	gxu03@tufts.edu
158	38000	Creating a Pipeline of Future Engineers in Texas (Evaluation) (DEI)	Pre-College Engineering Education Division (PCEE)	Michael R Odell	modell@uttyler.edu
159	40217	Developing An Assessment Toolkit for Pre-college Summer Engineering Workshops (Works-in-Progress)	Pre-College Engineering Education Division (PCEE)	Tamecia R. Jones	trjones8@ncsu.edu
160	38669	Discovering Simple Machines; Fun with Problem-Solving in Elementary School	Pre-College Engineering Education Division (PCEE)	Joselyn Elisabeth Busato	jeb081@bucknell.edu
161	38603	Elementary Students Mechanistic Reasoning about Their Community-connected Engineering Design Solutions (Work in Progress)	Pre-College Engineering Education Division (PCEE)	Kristen B Wendell	kbwendell@gmail.com
162	39453	Engineering Education and Culturally Relevant Pedagogy in Pre-College: A Review and Synthesis of the Literature	Pre-College Engineering Education Division (PCEE)	Maria Perez	mdperez6@miners.utep.edu
163	39752	Engineering Identity of 2nd-Grade Girls (Work-in-Progress)	Pre-College Engineering Education Division (PCEE)	Evelyn Hanna	hannae@kentplace.org

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164	40096	Engineering Interventions in My Science Classroom: What's My Role?	Pre-College Engineering Education Division (PCEE)	Cheryl Carrico	ccarrico@engr4success.com
165	40036	Evaluation of an Introductory Computational Thinking Summer Program for Middle School to Identify the Effects of Authentic Engineering Experiences (Work in Progress)	Pre-College Engineering Education Division (PCEE)	Krista Dulany Chisholm	kdulany@ufl.edu
166	36756	Experiences from ImageSTEAM Workshop for the Middle School (Work In Progress)	Pre-College Engineering Education Division (PCEE)	John M Mativo	jmativo@uga.edu
167	39311	Exploring Elementary Pre-service Teachers Personal Engineering Efficacy and Engineering Teaching Efficacy in a Science Methods Course Incorporating Engineering Design Activities (Work in Progress)	Pre-College Engineering Education Division (PCEE)	Miracle Moonga	miraclemoonga@gmail.com
168	37542	Exploring K-12 S,T,E,M Teachers Views of Nature of Engineering Knowledge (Work-in-Progress)	Pre-College Engineering Education Division (PCEE)	Jeffrey D Radloff	jeffrey.radloff@cortland.edu
168A	38946	Initial Development of a Pre-college Engineering Framework: An Analysis of the Engineering Accreditation Board in Southeast Asia	Pre-College Engineering Education Division (PCEE)	Ibrahim Yeter	ibrahimhyeter@gmail.com
169	37961	Making Families Aware of Engineering through the Public Library (Work in Progress)	Pre-College Engineering Education Division (PCEE)	Adam Maltese	amaltese@indiana.edu
170	39888	PADS -- The Performance Assessment of Design Skills (Work in Progress)	Pre-College Engineering Education Division (PCEE)	Cathy P. Lachapelle	cathy@stemedinsights.com
171	38285	Project-Based Learning Using NASA Design Concepts for 3D Printing Makerspace Development to Support Pre-college STEM Education	Pre-College Engineering Education Division (PCEE)	Etahe Johnson	ejohnson2@umes.edu
172	37269	Redefining the Role of Women in Engineering through SWE-Led Middle School Outreach Program (Work in Progress)	Pre-College Engineering Education Division (PCEE)	Sarah K. Bauer	sarahbauer816@gmail.com
173	37316	Results of Girl Scouts Taking the Draw-an-Engineer Test: Where Do We Go from Here? (WIP)	Pre-College Engineering Education Division (PCEE)	Abigail Clark	abigail.m.clark89@gmail.com
174	37850	Stakeholder Views in Building a Sustainable Engineering Learning Ecosystem: Afterschool Green Energy, Robotics, and Automation (Work in Progress)	Pre-College Engineering Education Division (PCEE)	Allison Antink-Meyer	aameyer@ilstu.edu
175	38615	STEP E-Dragster: A Pre-college Partnership Program Pilot Model (WIP)	Pre-College Engineering Education Division (PCEE)	Erik Schettig	ejschett@ncsu.edu
176	39405	Summer Robotics Program for High School Students	Pre-College Engineering Education Division (PCEE)	Jiahui Song	songj@wit.edu
177	39237	Sustainability Focused Pre-college Engineering Education for Building a STEM Pipeline â€“ Work in Progress	Pre-College Engineering Education Division (PCEE)	Uma Balaji	ubalaji@fairfield.edu

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178	37667	Teacher Perspectives of Outcomes and Challenges Resulting from Students' Interactions with MATLAB in e4usa (Fundamental)	Pre-College Engineering Education Division (PCEE)	Nicolas Leger	jlege007@fiu.edu
179	38556	The Effect of Role Models on Interest in STEM (Work-in-progress)	Pre-College Engineering Education Division (PCEE)	Murad Musa Mahmoud	Murad.mahmoud@Wartburg.edu
180	39719	Understanding Childrenâ€™s Perceptions of Robotics Through Drawings: Early Development of the Draw a Robot Task (Work in Progress)	Pre-College Engineering Education Division (PCEE)	Holly M Golecki	golecki@illinois.edu
181	38222	Using an Integrated STEM Education Approach with Place-based Learning in a Community of Practice to Enhance Underrepresented Rural Student Learning	Pre-College Engineering Education Division (PCEE)	John Geoffrey Knowles	Geoff.Knowles@bryan.edu
182	37446	Using of Esque Box for STEM Education of Pre-college Students (Work in Progress)	Pre-College Engineering Education Division (PCEE)	Wesley David Klehm	wklehm1929@gmail.com
183	39031	Utilizing On-Site Sustainability Technology to Engage K-12 Students in Engineering Learning (Work in Progress)	Pre-College Engineering Education Division (PCEE)	Rachel Burch	raukamp@udel.edu
184	37671	MOVED to Session T333B - Work in Progress: Broadening Participation in Engineering with the STEM Excellence in Engineering Equity (SEEE) Project	Pre-College Engineering Education Division (PCEE)	Taryn Melkus Bayles	tbayles@pitt.edu
185	38985	Work in Progress: Engaging Students in the UN Sustainable Development Goals through Funds of Knowledge: A Middle School Bilingual Classroom Case Study	Pre-College Engineering Education Division (PCEE)	Joel Alejandro Mejia	alex.mejia@utsa.edu
186	38457	Work in- rogress: Scaling STEM-IDâ€”Research Strategies to Inform Initial Scaling of Middle School Engineering Curricula	Pre-College Engineering Education Division (PCEE)	Dyanne Baptiste Porter	dporter39@gatech.edu
187	39218	Poster: WIP: Neurodivergent Engineering Students Sense of Belonging at the University, Major, and Course Levels: A Mixed Methods Study	Student Division (STDT)	Candice Bolding	cwboldi@clemson.edu
188	39687	Student-centered and led approaches for improving Mental Health	Student Division (STDT)	Cody Petitt	petittc@ohio.edu
189	39104	WIP: Staff Communities of Practice for Makerspace Professional Development	Student Division (STDT)	Anna Engelke	anna@beam.unc.edu
190	37055	Work in Progress: A Pilot Study on Faculty Perceptions of the Impact of COVID-19 on Undergraduate Engineering Student Readiness	Student Division (STDT)	Emily Fitzpatrick	emnfitz@gmail.com
190A	36906	~~A New Educational Experience: Community College~~ Engineering and Music Students Create User-Friendly	Two-Year College Division (TYCD)	Nick M. Safai	nick.safai@slcc.edu
190B	36933	A New Way to Solar for an Increased Efficiency	Two-Year College Division (TYCD)	Daniel Kelly Green	drone463@gmail.com

ASEE DIVISION POSTER SESSION
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190C	37040	Lessons Learned from the First Offering of REU PATHWAYS Summer Research Program for Community College Students	Two-Year College Division (TYCD)	Claire Duggan	c.duggan@neu.edu
191	37733	Are female faculty role models to female students in higher education? A study of teachers perceptions of their roles and responsibilities in computer science and engineering	Women in Engineering Division (WIED)	Qian Wang	
192	38604	Identifying and addressing the barriers to advancement for women in the engineering professoriate: A systematic review of literature	Women in Engineering Division (WIED)	Sreyoshi Bhaduri	sreyoshibhaduri@gmail.com