

ASEE Division Poster Session  
Papers are in Order by Division, then by Title

Board #	ID	Title	Division	Corresponding Author
1	42470	Empowering Underrepresented Minority Students in One Aviation Program: Integrating a National Airport Design Competition into the Curriculum	Aerospace Division (AERO)	Yilin Feng
2	41316	Exploring Average Taxi Times at U.S. Hub Airports with ASDE-X	Aerospace Division (AERO)	Shantanu Gupta
3	41453	Risk Management in Helicopter Air Ambulance Operations using PFMEA	Aerospace Division (AERO)	Gustavo Sanchez
4	44439	Work in Progress: Development of a Culturally Responsive, Community Based Fluid Dynamics Mini-Unit for Middle School	Aerospace Division (AERO)	Edward Tyler Young
5	44050	Effectiveness and Utility of Video Feedback for CAD Models Work in Progress:	Biomedical Engineering Division (BED)	Julian M Lippmann
6	44112	Robot Temperament Assessment as a Method to Expose Students to the Humanistic Aspects of Biomedical Engineering	Biomedical Engineering Division (BED)	Uri Feldman
7	42420	Work in Progress: A collaborative, principle-focused curriculum design process for a BME undergraduate program	Biomedical Engineering Division (BED)	Shannon Barker
8	42391	Work in Progress: Bridging Theory and Practice: Innovation-Based Learning and NSF I-Corps in Modern Engineering Education.	Biomedical Engineering Division (BED)	Abigail Tubbs
9	44106	Work in Progress: Collaborative learning to develop laboratory modules that support knowledge gain and professional development in a biomedical engineering graduate course	Biomedical Engineering Division (BED)	Marcia Pool

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10	43185	Work in Progress: Design of a full time summer research program for high school students	Biomedical Engineering Division (BED)	Yanfen Li
11	43302	Work in Progress: Development and Assessment of an Innovative, Student-Centered Biomechanics Course	Biomedical Engineering Division (BED)	Pattie Mathieu
12	42474	Work in Progress: Enhancing Student Engagement and Interest in STEM Education through Game-Based Learning Techniques in Bioengineering and Electrical Engineering Core Curricula and How to Create Them	Biomedical Engineering Division (BED)	Ali Ansari
13	41694	Work in Progress: Exploring Student Disposition in a Foundational Conservation Principles of Bioengineering Course	Biomedical Engineering Division (BED)	Jennifer R Amos
14	43339	Work in Progress: Exploring the Integration of Bio-Inspired Design Inventions in Biomedical Engineering	Biomedical Engineering Division (BED)	Eisa A. Khawaja
15	43441	Work in Progress: Mixing Flipped and Traditional Teaching to Support Conceptual Learning and Motivation in a Cell and Molecular Biology Course	Biomedical Engineering Division (BED)	Laura Christian
16	41762	Work In Progress: New Pedagogical Strategies for Senior Design BME Projects Involving Industry Partners	Biomedical Engineering Division (BED)	Krystyna Gielo-Perczak
17	43827	Work in Progress: Promoting Equitable Team Dynamics in a Senior Biomedical Engineering Design Course	Biomedical Engineering Division (BED)	Jennifer H Choi
18	42531	Work in Progress: The ATP-Bio REU Boot Camp - An innovative approach to building a sense of community in support of broadening participation in biomedical engineering	Biomedical Engineering Division (BED)	Seth Thompson

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19	43848	Work in Progress: Towards Self-reported Student Usage of AI to Direct Curriculum in Technical Communication Courses	Biomedical Engineering Division (BED)	Kavon Karrobi
20	43292	Work in Progress: Understanding Student Perceptions and Use of Generative Artificial Intelligence for Technical Writing	Biomedical Engineering Division (BED)	Amy Adkins
21	42843	Work-In-Progress: The Influence of Digital and In-Person Pedagogical Interventions on Undergraduate Biomedical Engineers	Biomedical Engineering Division (BED)	Victoria Rose Garza
22	42280	A Multi-Tiered Mentoring Community Approach to Expanded Research Experiences for Local Students from Complex and Underrepresented Minority Backgrounds	Chemical Engineering Division (ChED)	Thomas McKean
23	42393	Add a real experience on process control lab to your students for free!	Chemical Engineering Division (ChED)	Joaquin Rodriguez
24	44222	Development of Multi-user enabled, Interactive and Responsive, Virtual/Augmented Reality based Laboratory Training System	Chemical Engineering Division (ChED)	Ariel Chan
25	44465	Promoting Chemical Engineering Student's Entrepreneurial Mindset in A Chemical Reactor Design Course	Chemical Engineering Division (ChED)	Jean M. Andino
26	44146	Reducing Environmental Impact in Higher Education: Curriculum Design for the Sustainable Unit Operations Laboratory	Chemical Engineering Division (ChED)	Ariel Chan
27	42035	Work in Progress: Where We Live - The process of building a experiential energy design course for undergraduate chemical engineering.	Chemical Engineering Division (ChED)	Desen Sevi Ā-zkan

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28	42665	Work in Progress: Glucose Analyzer Learning Module for Chemical Engineering Education Theory	Chemical Engineering Division (ChED)	Riley Jackson Fosbre
29	42946	A Service Learning Project for Surveying Students: Establishing Base Flood Elevations in Special Flood Hazard Area A	Civil Engineering Division (CIVIL)	Salvatore Marsico
30	41628	The "Eco" logical Choice for Engineering Education: Decisions on Sustainability in Civil Engineering and the Impact of Cognitive Bias	Civil Engineering Division (CIVIL)	Charlotte Robison
31	42582	Case Study: Re-imagining a Design Project with 3D Printed Concrete	Civil Engineering Division (CIVIL)	Jacob Henschen
32	44299	Designing a Graduate Course in Sustainable Transportation and Human Rights with a Student-Centered Approach	Civil Engineering Division (CIVIL)	Leana Santos
33	41461	Enhancing Self-Efficacy Among Transportation Engineering Undergraduates using Hands-On Pedagogy.	Civil Engineering Division (CIVIL)	Adebayo Iyanuoluwa Olude
34	42203	Equity Diversity and Inclusion (EDI) and Entrepreneurial Mindset Learning (EML) in core Engineering classes: A case-study in Statics	Civil Engineering Division (CIVIL)	Ghina Absi
35	41363	Essentials of the Nurse+Engineer: Defining Public Value for Civil Engineers	Civil Engineering Division (CIVIL)	Daniel B Oerther
36	42400	Withdrawn		

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37	43836	Integration of Project-based Learning in a Surveying Course	Civil Engineering Division (CIVIL)	Fahmida Rahman
38	43619	Student Led Curriculum Development: Incorporating Mechanics of Materials Students in the Design of Statics Curricula. A Work in Progress.	Civil Engineering Division (CIVIL)	Matthew Stephen Barner
39	42602	Student Opinions on Example Problem "Solution Walkthroughs" for Civil Engineering Topics	Civil Engineering Division (CIVIL)	Joel Lanning
40	44101	Work in Progress: Generative AI to support critical thinking in water resources students	Civil Engineering Division (CIVIL)	MiguelAndres Andres Guerra
41	41427	Counter-Storytelling in Intergenerational STEM Experiences	Community Engagement Division (COMMENG)	Jessica Rush Leeker
42	41598	A comparative analysis of across interdisciplinary settings integration practice in educational data mining class using Community of Practice.	Computers in Education Division (COED)	Brayan Alexander DÃ-az
43	41661	AP-CS, ChatGPT and Me: a high school student perspective	Computers in Education Division (COED)	Zoe Wood
44	42251	CampNav: A System for Inside Buildings and Campus Navigation	Computers in Education Division (COED)	Jiping Li
45	42278	Generative Artificial Intelligence (GAI) Assisted Learning: Pushing the Boundaries of Engineering Education.	Computers in Education Division (COED)	Ibukun Samuel Osunbunmi

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46	44040	Integrating A.I. in Higher Education Protocol for a Pilot Study with 'SAMCares An Adaptive Learning Hub'	Computers in Education Division (COED)	Iftekhar Ibne Basith
47	41872	MentorMate - A Mentor-Mentee Matching Algorithm to Automate Process of Finding an Ideal Mentor for Students	Computers in Education Division (COED)	Sweni Shah
48	43499	Perceptions of ChatGPT on Engineering Education: A 2022-2023 Exploratory Literature Review	Computers in Education Division (COED)	Trinidad Sofia Balart
49	43665	Using Generative AI for Reducing Faculty Workload in Online Engineering Courses - Work in Progress:	Computers in Education Division (COED)	Gerardo Alberto Pedraza
50	44115	Work in Progress: A Systematic Review of Embedding Large Language Models in Engineering and Computing Education	Computers in Education Division (COED)	David Reeping
51	43616	Work in Progress: Cognitive and Emotional Effects of the Video Game, Freedom Bridge.	Computers in Education Division (COED)	Samuel Opeyemi Falade
52	42683	Work in Progress: Datastorm - Using Data Driven Competition to Improve Student Engagement in Computer Science	Computers in Education Division (COED)	Ankunda Kiremire
53	43691	Work in Progress: Engaging the next generation of IC designers with puzzle-solving competitions	Computers in Education Division (COED)	Daniel Limbrick
54	42573	Work in Progress: Exploring how an Unofficial Discord Server Supports Undergraduate Learning in Computer Science	Computers in Education Division (COED)	Makayla Moster

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55	42618	Work in Progress: Exploring Office Hour Interactions in an Data Structures and Algorithms Course	Computers in Education Division (COED)	Alexander Hicks
56	41696	Work in Progress: How do students spend their time studying in a CS Discrete Math course?	Computers in Education Division (COED)	Yael Gertner
57	41340	Work in Progress: Immersive Learning: Maximizing Computer Networks Education Based on 3D Interactive Animations	Computers in Education Division (COED)	Yixin Zhang
58	42385	Work in Progress: Iron Coder -- An Integrated Development Environment for Embedded Development in Rust	Computers in Education Division (COED)	Carsten Monrad Thue-Bludworth
59	42561	Work in Progress: Streamer and Viewer Interactions in Software and Game Development Live Streams	Computers in Education Division (COED)	Ella Kokinda
60	43103	Work in Progress: Student Perspectives of Collaborative Learning Techniques (CoLT) in Introductory Computing Classes	Computers in Education Division (COED)	Lisa Cullington
61	42214	Work in Progress: Teaching Logic Design with Interactive Computer Games	Computers in Education Division (COED)	Arnav Ketineni
62	42399	Work in progress: A Comparative Analysis of Large Language Models and NLP Algorithms to enhance Student Reflection Summaries	Computers in Education Division (COED)	Ahmed Ashraf Butt
63	43610	Work in Progress: Community college student experiences with interdisciplinary computing modules in introductory biology and statistics courses	Computers in Education Division (COED)	Valerie Carr

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64	43219	Work-In-Progress: A Scoping Review of Technology Acceptance and Adoption among Engineering Students.	Computers in Education Division (COED)	Deborah Moyaki
65	41244	Application of LiDAR Technology in Construction Education - Case study: Estimating Course	Construction Engineering Division (CONST)	Farzam S. Maleki
66	41426	Impact of ChatGPT on Student Writing in Construction Management: A Study of Applied Risks	Construction Engineering Division (CONST)	tianjiao zhao
67	43139	Implementation and Impact of Design in Higher Engineering Education: A Comprehensive Investigation of the UK Region	Design in Engineering Education Division (DEED)	Wei Liu
68	42725	Integration of Learning by Evaluating (LbE) within the 5E Instructional Model in Engineering Design Education	Design in Engineering Education Division (DEED)	Wonki Lee
69	41199	Learning Sustainable Development through Integrative Design Process: A Case Study	Design in Engineering Education Division (DEED)	Xi Wang
70	44033	Redesigning a Capstone Course with Product Design in Mind: A work in progress	Design in Engineering Education Division (DEED)	Annie Abell
71	41853	Work in Progress: Creation of Teaching Materials to Support Identification of Authentic Needs that Inform Engineering Design Projects	Design in Engineering Education Division (DEED)	Ann Saterbak
72	43258	Adaptive Affect-Aware Multimodal Learning Assessment System for Optimal Educational Interventions	Educational Research and Methods Division (ERM)	Andres Gabriel Gomez



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73	42439	AI skill-based assessment tool for identifying partial and full mastery within Large Engineering Classrooms	Educational Research and Methods Division (ERM)	Amirreza Mehrabi
74	41589	Are all Engineers Brilliant White Men? What Television Tells Us About Engineers	Educational Research and Methods Division (ERM)	Amy Kramer
75	41107	Can Small Changes in Course Structure in Early Engineering Coursework Have a Big Impact on Retention?	Educational Research and Methods Division (ERM)	Laine Schrewe
76	40991	Expansion of Peer Tutoring Program to In-Class Sessions in Multiple Disciplines	Educational Research and Methods Division (ERM)	Cara J Poor
77	42907	Exploring the Relationship between Item Stability and Item Characteristics: Exploratory Graph Analysis	Educational Research and Methods Division (ERM)	Chia-Lin Tsai
78	41704	How Do Grades Matter? A Work in Progress Study on the Influence of Grades on Engineering Student's Motivation & Decision Making	Educational Research and Methods Division (ERM)	Cassandra Wallwey
79	42850	Leveraging Learning Styles for Enhanced Student Outcomes: A Study at a New York University	Educational Research and Methods Division (ERM)	Brittany Leigh Oletti
80	44030	Nontraditional students in engineering: Persona development	Educational Research and Methods Division (ERM)	Cory Brozina
81	41318	Utilizing Student Observers to Boost Teaching Effectiveness and Evaluation	Educational Research and Methods Division (ERM)	Emad A Mansour

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82	42745	Work in Progress: Examination of Video Demonstrations as an Alternate Content Delivery Method	Educational Research and Methods Division (ERM)	Kevin Wandke
83	42712	[Work in Progress: ] The Magic Orb: A mechatronics demonstration and course project to attract next-generation engineering students	Electrical and Computer Engineering Division (ECE)	Ruoshi Zhang
84	44340	A Teamwork-based Electrical & Computer Engineering Introductory Lab Course	Electrical and Computer Engineering Division (ECE)	Ying Lin
85	44090	Asset-Driven Equitable Partnerships ADEP in Practice Work in Progress:	Electrical and Computer Engineering Division (ECE)	Kenneth A Connor
86	41667	Teaching Ethics in an Electrical Engineering Program	Electrical and Computer Engineering Division (ECE)	Cyrus Habibi
87	43708	The 2TO4 Project - Facilitated Transition from 2-Year to 4-Year Electrical and Computer Engineering Studies Work in Progress:	Electrical and Computer Engineering Division (ECE)	Kenneth A Connor
88	41400	Visual Representation Based Creative Problem Solving (CPS) for Microelectronic Course	Electrical and Computer Engineering Division (ECE)	Gon Namkoong
89	42834	Work in Progress: - Promoting Undergraduate Student Success through Faculty Mentoring in Engineering Education	Electrical and Computer Engineering Division (ECE)	Juan Alvarez
90	42824	Work in Progress: - Response to Failure and Success in an ECE Course	Electrical and Computer Engineering Division (ECE)	Juan Alvarez

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91	41914	Work in Progress: An Interdisciplinary Subject on Hardware Accelerated Computing	Electrical and Computer Engineering Division (ECE)	Glenn J Bradford
92	43002	Work in Progress: Developing an application to Optimize Student Group Formation for Enhancing Inclusivity and Collaborative Learning	Electrical and Computer Engineering Division (ECE)	Zulal Sevkli
93	42999	Work in Progress: Developing an Engineering Asset Management Course at an Electrical Engineering Program	Electrical and Computer Engineering Division (ECE)	Selma Awadallah
94	42983	Work in Progress: Development of Lab-Based Assessment Tools to Gauge Undergraduate's Circuit Debugging Skills and Performance	Electrical and Computer Engineering Division (ECE)	John Hu
95	44229	Work in Progress: Implementation of Rapid Review as Formative Assessment in a Circuits Course	Electrical and Computer Engineering Division (ECE)	Jennifer L Bonniwell
96	41231	Work in Progress: Incorporating Active Learning into a Random Signal Analysis Course	Electrical and Computer Engineering Division (ECE)	Chao Wang
97	42249	Work-in-Progress: TextCraft: Automated Resource Recommendation for Custom Textbook Creation	Electrical and Computer Engineering Division (ECE)	Xinyuan Fan
98	41892	Energy and Decarbonize Economy	Energy Conversion, Conservation and Nuclear Engineering Division (ECCNE)	Mansour Zenouzi
99	42107	Utilizing the Solar District Cup Competition as a Case Study for a Renewable Energy Capstone to Enhance Students' Learning Experience	Energy Conversion, Conservation and Nuclear Engineering Division (ECCNE)	Jin Ho Jo

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100	41359	Understanding Health Impacts of Active, Collaborative Learning - An Analysis Using CFD and GD-BIM in an Existing Classroom with Discussion Tables.	Engineering Design Graphics Division (EDGD)	Chengbin Zhang
101	41574	Compassion and Engineering Ethics: Validation of the Compassionate Engagement and Action Scales for the Engineering Education Context	Engineering Ethics Division (ETHICS)	Cristian Eduardo Vargas-Ordenez
102	42027	Crafting a Library on Belonging in Engineering: An Initial Review using Textual Analysis	Engineering Libraries Division (ELD)	Denise Amanda Wetzel
103	43714	Developing a User Experience Study (Work in Progress)	Engineering Libraries Division (ELD)	Kari Kozak
104	41984	Using a "Micro" Approaches to Prepare Engineering Technology and Business Students for the Informed Workplace	Engineering Libraries Division (ELD)	Margaret Phillips
105	43243	Proposed Pedagogy in Teaching Linear Programming	Engineering Management Division (EMD)	Sima Parisay
106	42779	A Student Experiential Learning Program : An Interdisciplinary Approach to Sustainability	Engineering Technology Division (ETD)	Vassilios Tzouanas
107	41092	Emergency Sun-Tracking Solar Generator	Engineering Technology Division (ETD)	Mohsen Azizi
108	41088	Low-Cost Hardware-in-the-Loop Real-Time Simulation Platform	Engineering Technology Division (ETD)	Mohsen Azizi

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109	41367	Moving towards a fully on-line laboratory in Electric Circuits course	Engineering Technology Division (ETD)	Alireza Rahrooh
110	41145	Portable Solar-Powered Wireless Display Board	Engineering Technology Division (ETD)	Mohsen Azizi
111	44140	Transformative Approach of Engineering Technology Curricula based on Sustainability, Systems Thinking, and Creativity, and Aligned with Industry Needs	Engineering Technology Division (ETD)	Irina Nicoleta Ciobanescu Husanu
112	43063	Work in Progress: Exploring the Impact of International Experiences on the Development of Student's Entrepreneurial Mindset	Entrepreneurship & Engineering Innovation Division (ENT)	Olgha Bassam Qaqish
113	40990	Green Roof Rehabilitation: Creating Community in the School of Engineering	Environmental Engineering Division (ENVIRON)	Cara J Poor
114	42860	Amplifying Resilience and Becoming Critical Advocates: Three Black Engineering Students' Experiences in a Multi-Institutional Summer Camp Collaboration	Equity, Culture & Social Justice in Education Division (EQUITY)	Jae Hoon Lim
115	43142	Examining Engineering Students' Gender and Racial Effects in College Course Team Peer Assessment: A Quantitative Intersectional Approach	Equity, Culture & Social Justice in Education Division (EQUITY)	Xiaping Li
116	41412	Experiences of Engineering Students with Disabilities	Equity, Culture & Social Justice in Education Division (EQUITY)	Isabel Miller
117	41190	How could a New Educational Design Broaden Inclusion of Higher Engineering Education in a Stratified System? Investigating the OIPI Initiative	Equity, Culture & Social Justice in Education Division (EQUITY)	YaXuan Wen

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118	43443	Mixing it Up: A Pilot Study on the Experiences of Mixed-Race Asian American Students in Engineering	Equity, Culture & Social Justice in Education Division (EQUITY)	Michelle Choi Ausman
119	42688	Exploring Factors and Support for Effective Faculty Mentoring of Undergraduate Students in Engineering	Faculty Development Division (FDD)	Cory Brozina
120	44051	Lessons Learned : "I Can't Build It Because They Won't Come" Faculty Survey Response Rates in Engineering Education Research	Faculty Development Division (FDD)	Rachel Ziminski
121	43000	Lessons Learned: Mapping and Mobilizing Faculty Assets for Creating Faculty Development Programs in Engineering Ethics Education	Faculty Development Division (FDD)	Bono Po-Jen Shih
122	42701	Preparing to Teach a Multi-Campus (Distributed Learning) Course	Faculty Development Division (FDD)	Casey James Keulen
123	42382	Work in Progress: A Case Study of a Community of Practice Model Fostering Faculty Scholarship of Teaching and Learning of the Entrepreneurial Mindset	Faculty Development Division (FDD)	Kristen PeÅ±a
124	42030	Work in Progress: A framework to develop project-based platforms to support engineering and technology education: Project Development Canvas	Faculty Development Division (FDD)	Casey Kidd
125	43973	Work in Progress: Faculty Experiences and Learning Through Oral Assessment Implementation in Engineering Courses	Faculty Development Division (FDD)	Minju Kim
126	41317	Work in Progress: Investigating Faculty Development Experiences in the Context of a Teaching-focused Book Club	Faculty Development Division (FDD)	Marcus Melo de Lyra

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127	44150	Work in Progress: Strategizing the Integration of VR and AR in STEM Education: Aligning Educational, Organizational, and Technological Strategies	Faculty Development Division (FDD)	Amirmasoud Momenipour
128	43897	Work in Progress: Toward a Common Sci Comm Strategy	Faculty Development Division (FDD)	Mark Blaine
129	42750	Preparing Engineering Students for Designing and Managing the Future of Work and Work Systems	Industrial Engineering Division (IND)	Arunkumar Pennathur
130	43262	An International, Bilingual Engineering Design Course: Faculty/Student Experiences and Lessons Learned	International Division (INTL)	Jorge Ivan Rodriguez-Devora
131	42892	Challenges and Innovative Strategies in International Student Education	International Division (INTL)	Fanyu F Zeng
132	42417	Exploring the Impact of Professors and Peer-Relationships on Undergraduate Mechanical Engineering Student's Well-Being	Liberal Education/Engineering & Society Division (LEES)	Emily Fitzpatrick
133	42612	Work in Progress - A Pilot Course on Effective and Enduring Advocacy: Leading with Compassion in STEM	Liberal Education/Engineering & Society Division (LEES)	Jacqueline Rose Tawney
134	41355	MATLAB Integration in Sophomore Mathematical Analysis Course	Mathematics Division (MATH)	Djedjiga Belfadel
135	41188	Connection of the Teaching, Learning and Instructions of Material Science and Engineering Courses with Different Courses on Engineering Subjects	Mechanical Engineering Division (MECH)	Jiliang Li

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136	43402	Design Thinking Abilities in Undergraduate Mechanical Engineering Students	Mechanical Engineering Division (MECH)	Krishna Pakala
137	41456	Interdisciplinary Convergence in Robotics and Autonomous Systems	Mechanical Engineering Division (MECH)	Prashanta Dutta
138	42961	Promoting Sustainable Innovation: Mechatronics and Collaborative Student Projects with Campus Sustainability Centers	Mechanical Engineering Division (MECH)	Jheng-Wun Su
139	43861	Work in Progress: Mechanical Engineering Curriculum Renewal Process at a Ohio State University	Mechanical Engineering Division (MECH)	Annie Abell
140	44387	Towards Servingness-Oriented Mentorship	Minorities in Engineering Division (MIND)	Christian Glandorf
141	41688	Incorporating Sustainability into Engineering Curriculum Through Project-Based Learning (PBL)	Multidisciplinary Engineering Division (MULTI)	Aaditya Khanal
142	44147	Work in Progress: Engaging STEM Students in Revising Technical Writing Assignments	Multidisciplinary Engineering Division (MULTI)	Corinne C. Renguette
143	42059	Work in Progress: Mind and Computer: Integration of Brain-Computer Interfaces in Engineering Curricula	Multidisciplinary Engineering Division (MULTI)	Roya Salehzadeh
144	41576	Work-in-Progress: A course collaboration between chemical engineering and mechanical engineering	Multidisciplinary Engineering Division (MULTI)	Gisella Rossana Lamas



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145	41601	Development of Air Quality Assessment Activities Using a Coding-Based Microcontroller for an After-school STEM Program (Work in Progress)	Pre-College Engineering Education Division (PCEE)	Jin Ho Jo
146	43190	Enhancing STEM Education through Engaging Summer Programs: A Multi-Faceted Strategy	Pre-College Engineering Education Division (PCEE)	Tala Katbeh
147	41927	Innovative Advances: Triboelectric Nanogenerators Powering Pacemaker's A High School Student Review"	Pre-College Engineering Education Division (PCEE)	Haifeng Wang
148	44185	Ongoing Evaluation of Pre-College Student's Learning Outcomes During a Human-Centered Engineering Design Summer Camp	Pre-College Engineering Education Division (PCEE)	Justin Shell
149	43127	Pioneering Pathways for High School Students in STEM Education (Work in Progress)	Pre-College Engineering Education Division (PCEE)	Adam W Davidson
150	41581	Systematic Review of the Design Fixation Phenomenon at the K-12 Engineering Education (Other)	Pre-College Engineering Education Division (PCEE)	Sopheak Seng
151	42330	Utilizing African-Centered STEM Education to Inspire African American Participation in STEM	Pre-College Engineering Education Division (PCEE)	DeAnna Bailey
152	42687	Utilizing Culturally Responsive Teaching Strategies to Enhance the Learning of African American Middle School Girls in Cybersecurity	Pre-College Engineering Education Division (PCEE)	DeAnna Bailey
153	42223	Work in Progress: Assessment of K-12 Students'™ Microelectronics Understanding and Awareness	Pre-College Engineering Education Division (PCEE)	Rachel E. Gehr

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154	43473	Work in Progress: Broadening Participation and the Mission of Engineering for US All: A Case Study of Engineering in a Classroom Serving Students with Disabilities	Pre-College Engineering Education Division (PCEE)	Jennifer Kouo
155	42633	Work in Progress: Computing Faculty Introducing Secondary Students to Differences in Computing Fields	Pre-College Engineering Education Division (PCEE)	Matthew Perkins Coppola
156	43873	Work in Progress: Curricular Modules Development based on Summer Research Experiences for Teachers on Solar Energy	Pre-College Engineering Education Division (PCEE)	Mohammad Motaher Hossain
157	42723	Work in Progress: Design of a geospatial skills camp for rural youth	Pre-College Engineering Education Division (PCEE)	Jeanette Chipps
158	44221	Work in Progress: Design, Fabrication, and Testing of Lego-neered Vertical Flight Dynamic Systems: Using Custom Lego Models to Inspire the Next Generation of Innovators	Pre-College Engineering Education Division (PCEE)	Alex Richard Duffy
159	42715	Work in Progress: Development and initial findings of a summative assessment for high school engineering course (Evaluation)	Pre-College Engineering Education Division (PCEE)	Jeanette Chipps
160	41465	Work in Progress: Empowerment in STEM Day: Introducing High School Girls to Careers at National Laboratories	Pre-College Engineering Education Division (PCEE)	Baishakhi Bose
161	42498	Work in Progress: Engineering Community Inclusion of Individuals with Autism (ECIIA): The Commitment of Community Collaborators in Engineering Education and Industry	Pre-College Engineering Education Division (PCEE)	Jennifer Kouo
162	44373	Work in Progress: Engineering for accessibility: Impacts of a high school engineering internship model across different settings (DEI)	Pre-College Engineering Education Division (PCEE)	Stacey Forsyth

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163	43023	Work in Progress: Examining teachers' enactment of engineering-focused design principles using action, speech, and gestures in elementary settings	Pre-College Engineering Education Division (PCEE)	Amelia Yeo
164	41896	Work in Progress: Exploring coach's use of engineering notebooks in the FIRST LEGO League Challenge robotics competition	Pre-College Engineering Education Division (PCEE)	Michael Graffin
165	42440	Work in Progress: K-12 STEM Teacher's Perceptions of Artificial Intelligence: A PRISMA-tic Approach	Pre-College Engineering Education Division (PCEE)	Daniel Loke
166	43047	Work in Progress: Perceptions of Hands-on High School Education Alumni on their Preparation for Engineering	Pre-College Engineering Education Division (PCEE)	Dylan Higgins
167	41525	Work in Progress: Pre-College Engineering: Perspectives of Engineering Faculty	Pre-College Engineering Education Division (PCEE)	Natasha Wilkerson
168	43399	Work in Progress: Preliminary Design of an Engineering Case Study for Elementary Students	Pre-College Engineering Education Division (PCEE)	Latanya Robinson
169	41238	Work in Progress: Purposefully Designing Integrated STEM Learning Experiences within Elementary Teacher Education	Pre-College Engineering Education Division (PCEE)	Ursula Nguyen
170	43018	Work in Progress: STEM-ulating Change: Exploring Pre-Service Teachers' Perceptions of Integrated STEM Education	Pre-College Engineering Education Division (PCEE)	Ibrahim H. Yeter
171	43121	Work in Progress: The Design of a Course to Train STEM Pre-Service Teachers (Work-in-progress)	Pre-College Engineering Education Division (PCEE)	Bugrahan Yalvac

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172	41611	Engineering Electromagnetics Laboratory Development	Student Division (STDT)	Narangoo Tumor
173	43857	Fostering Community of Practice (CoP): The impact on Self-Efficacy and Belonging to Undergraduate Students	Student Division (STDT)	Vivian H Nguyen
174	44485	Fostering Inclusivity and Engagement while Learning by Doing: A New Paradigm in Engineering Education based on Student-Designed, Student-Taught Courses	Student Division (STDT)	Eliot Wachtel
175	41606	Poster: Strategies for Empathy Instruction and Assessment in Biomedical Engineering Education: A Review	Student Division (STDT)	Tahlia Altgold
176	44448	Work in Progress: Case Study of Factors Affecting Reverse Transfer Student's Degree Completion	Student Division (STDT)	Perla Abigail Bran
177	42935	Work in Progress: The Development of a Research-Based Application for Effective Mentor-Mentee Matching	Student Division (STDT)	Alondra Gonzalez
178	41281	Educational Infographics, A Review Paper	Technological and Engineering Literacy/Philosophy of Engineering Division (TELPHE)	Asefeh Kardgar
179	41925	Campus Climate, STEM Students: Examining Structural Obstacles for BW Student Success	Women in Engineering Division (WIED)	Ahjiah Marie Johnson
180	42176	Impacting Engineering Students' Perceptions of DEI through Real-Life Narratives and In-Class Discussions with an Empathetic Lens.	Women in Engineering Division (WIED)	Lisa K Davids

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181	43309	Language-based Dual Degree Engineering Program: Increasing Women in Engineering?	Women in Engineering Division (WIED)	Jorge Ivan Rodriguez-Devora
182	41542	Work in Progress: Considering the effect of gender on a latent factor model of the PSVT:R	Women in Engineering Division (WIED)	Savanna Dautle