

NSF Poster Session

Board #	Paper ID	Paper Title	Division	Session Type	Author Last name	Author First Name
1	21163	The Impact of the Mathematics S-STEM Program at the University of Texas at Arlington	NSF Grantees Poster Session	Poster Session	Aktosun	Tuncay
2	21253	A Case Study of Community College Transfer and Success in a 2+2 Program	NSF Grantees Poster Session	Poster Session	Alfano	Kathleen
3	23622	CLEAR Scholars in Engineering: Academic, Career, and Leadership Development to Help Students with Financial Challenges Achieve their Full Academic Potential	NSF Grantees Poster Session	Poster Session	Alfrey	Karen
4	22731	Student Outcomes in Academic Community-Engaged STEM Projects with Multi-Dimensional Diversity	NSF Grantees Poster Session	Poster Session	Alptekin	Sam
5	22062	Collaborative: IUSE: Cultivating Inclusive Identities of Engineers and Computer Scientists: Expanding Efforts to Infuse Inclusive Excellence in Undergraduate Curricula	NSF Grantees Poster Session	Poster Session	Atadero	Rebecca
6	22984	Collaborative Research: vObjects - Understanding their Utility to Enhance Learning of Abstract and Complex Engineering Concepts	NSF Grantees Poster Session	Poster Session	Bairaktarova	Diana
7	21387	REU Site: Sustainability of Horizontal Civil Networks in Rural Areas	NSF Grantees Poster Session	Poster Session	Bartelt-Hunt	Shannon
8	21478	Identifying At-Risk Students in a Basic Electric Circuits Course Using Instruments to Probe Students' Conceptual Understanding	NSF Grantees Poster Session	Poster Session	Becker	James
9	23194	Engineering Student Perspectives on Research and What It Means to Be a Researcher	NSF Grantees Poster Session	Poster Session	Benson	Lisa
10	22249	Comparative Study of the Intersection of Engineering Identify and Black Identity of African-American Engineering Students at a PWI and an HBCU	NSF Grantees Poster Session	Poster Session	Berhan	Lesley
11	21238	Research Experience for Undergraduates in UAV Technologies	NSF Grantees Poster Session	Poster Session	Bhandari	Subodh
12	23832	Impact of Flexible Classroom Spaces on Instructor Pedagogy and Student Behavior	NSF Grantees Poster Session	Poster Session	Bork	Sarah
13	21276	Research Experiences for Teachers in Precision Agriculture and Sustainability for Solitary STEM Educators	NSF Grantees Poster Session	Poster Session	Bowen	Bradley
14	22761	Examining First-Year Chemistry Outcomes of Underprepared STEM Students Who Completed a STEM Summer Academic Bridge Program	NSF Grantees Poster Session	Poster Session	Bradford	Brittany
15	22866	Understanding the Educational and Career Pathways of Engineers	NSF Grantees Poster Session	Poster Session	Cady	Elizabeth
16	23214	Software Defined Radio-based Mixed Signal Detection Laboratories for Enhancing Undergraduate Communication and Networking Curricula	NSF Grantees Poster Session	Poster Session	Cao	Deng
17	21736	The Multi-Platform Optics and Photonics Educational App	NSF Grantees Poster Session	Poster Session	Carpinelli	John
18	22993	Engineering Doctoral Students' Motivations and Identities: Understandings and Implications	NSF Grantees Poster Session	Poster Session	Cass	Cheryl
19	22854	Lessons Learned from an S-STEM Grant	NSF Grantees Poster Session	Poster Session	Castles	Ricky
20	21475	The Effect of Engineering Summer Camps on Middle School Students Interest and Identity	NSF Grantees Poster Session	Poster Session	Chatterjee	Indira

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21	21490	A Simple SoC Platform for the Integrated Computer Engineering Lab Framework	NSF Grantees Poster Session	Poster Session	Chu	Pong
22	22173	Establishing a Baseline and Future Plans for Exploring Engineering Community and Identity	NSF Grantees Poster Session	Poster Session	Clark	Abigail
23	22317	Enhancing Minority Middle School Student Knowledge, Literacy, and Motivation in STEM Using Culturally Relevant Contexts	NSF Grantees Poster Session	Poster Session	Clark	Quintana
24	21575	Sustainable Bridges from Campus to Campus: Progress after Year 2	NSF Grantees Poster Session	Poster Session	Cohan	Catherine
25	22684	Enhancing Learning by Assessing More than Content Knowledge	NSF Grantees Poster Session	Poster Session	Cole	Renee
26	22775	Experiment-Centric Pedagogy – Improving the HBCU Engineering Student Learning Experience	NSF Grantees Poster Session	Poster Session	Connor	Kenneth
27	23544	Improving Student Writing with Research-based Instruction: Results from the Civil Engineering Writing Project	NSF Grantees Poster Session	Poster Session	Conrad	Susan
28	22561	Work in Progress: How Do Students Respond to Active Learning? A Coding Guide for a Systematic Review of the Literature	NSF Grantees Poster Session	Poster Session	Crockett	Caroline
29	21753	The Impact of Metacognitive Instruction on Students' Conceptions of Learning and their Self-monitoring Behaviors	NSF Grantees Poster Session	Poster Session	Cunningham	Patrick
30	21689	Enhancing Core Chemical Engineering Courses with Computationally-Intense Course Modules	NSF Grantees Poster Session	Poster Session	Dahm	Kevin
31	22559	Gateways-ND: Advancing Learner-Focused Instruction to Catalyze STEM Student Success	NSF Grantees Poster Session	Poster Session	Daigh	Jill
32	21880	Some Highlights of SESMC: Scholarships in Engineering, Science, Mathematics, and Computer Science – National Science Foundation S-STEM Project	NSF Grantees Poster Session	Poster Session	Dal Bello	Dominic
33	22137	The Diversity of College Engineering Degrees: The Role of Geography and the Concentration of Engineering Degree Production	NSF Grantees Poster Session	Poster Session	Darolia	Rajeev
34	22687	The SEECRS Scholar Academy at Whatcom Community College: An S-STEM Scholarship Program	NSF Grantees Poster Session	Poster Session	Davishahl	Eric
35	22917	A Cross-Institution Collaboration: Analysis of Power Electronic Technologies for Solar Panel Arrays	NSF Grantees Poster Session	Poster Session	Davishahl	Jill
36	21790	Metacognition: Helping Students Plan, Monitor, and Evaluate Study Skills and Strategies	NSF Grantees Poster Session	Poster Session	Dawood	Muhammad
37	22715	Increasing Student Enrollment and Achievement in Engineering and Engineering Technology	NSF Grantees Poster Session	Poster Session	Elzawawy	Amir
38	21239	Developing a Summer Engineering Teaching Institute for Community College Engineering Faculty	NSF Grantees Poster Session	Poster Session	Enriquez	Amelito
39	22139	S-STEM Summer Scholarship for a Sophomore Bridge: Year 1 in Review	NSF Grantees Poster Session	Poster Session	Evans	Katie
40	23242	S-STEM: Academically and Civically Engaged Scientists – Mid-Project Progress Report	NSF Grantees Poster Session	Poster Session	Faidley	LeAnn

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41	22760	An S-STEM Project for Improving Undergraduate Engineering Education	NSF Grantees Poster Session	Poster Session	Fang	Ning
42	23550	A Virtual Community of Practice to Promote LGBTQ Inclusion in STEM: Member Perceptions and Community Outcomes	NSF Grantees Poster Session	Poster Session	Farrell	Stephanie
43	23296	How is Calculus Applied in Engineering Statics?	NSF Grantees Poster Session	Poster Session	Faulkner	Brian
44	21643	Scholarship Program Initiative via Recruitment, Innovation, and Transformation (SPIRIT): SSTEM Program Initiatives and Early Results	NSF Grantees Poster Session	Poster Session	Ferguson	Chip
45	22222	Revolutionizing Engineering Diversity	NSF Grantees Poster Session	Poster Session	Forin	Tiago
46	21292	Teach-Flipped: A Faculty Development MOOC on How to Teach Flipped	NSF Grantees Poster Session	Poster Session	Furse	Cynthia
47	22098	Statewide Coalition: Supporting Underrepresented Populations in Precalculus through Organizational Redesign Toward Engineering Diversity (SC:SUPPORTED) Results from Year One	NSF Grantees Poster Session	Poster Session	Gallagher	Eliza
48	22125	Research Initiation: Effectively Integrating Sustainability within an Engineering Program: Project Accomplishments	NSF Grantees Poster Session	Poster Session	Gannon	Paul
49	21640	Connecting STEM Scholars with Employers Worldwide	NSF Grantees Poster Session	Poster Session	Gavin	Melissa
50	22622	Renewable Resources: Theme with Broad Societal Impact for REU Students	NSF Grantees Poster Session	Poster Session	Gerster	Sally
51	22716	Algae City - An Interactive Serious Game	NSF Grantees Poster Session	Poster Session	Gizzi	Gena
52	21193	CAREER: Actualizing Latent Diversity: Building Innovation through Engineering Students' Identity Development	NSF Grantees Poster Session	Poster Session	Godwin	Allison
53	22309	Exploring Professional Identity Development in Undergraduate Civil Engineering Students Who Experience Disabilities	NSF Grantees Poster Session	Poster Session	Groen	Cassandra
54	22937	Long-Term Assessment After More than a Decade of Involving Undergraduate Students in an REU Program	NSF Grantees Poster Session	Poster Session	Guessous	Laila
55	22964	Enhancing Engineering Talent in Tennessee	NSF Grantees Poster Session	Poster Session	Gwinn	A.
56	22165	Engineering with Engineers: Revolutionizing Engineering Education through Industry Immersion and a Focus on Identity	NSF Grantees Poster Session	Poster Session	Han	Yen-Lin
57	23346	Meeting the Graduate 10K+ Challenge: Enhancing the Climate for Persistence and Success in Engineering (ECLIPSE)	NSF Grantees Poster Session	Poster Session	Hasenwinkel	Julie
58	22525	Computing and Engineering Scholarship Program at SCSU	NSF Grantees Poster Session	Poster Session	Herath	Susantha
59	22511	Process Oriented Guided Inquiry Learning in Introductory Computer Science	NSF Grantees Poster Session	Poster Session	Hu	Helen
60	22967	Shame in Engineering: Unpacking the Socio-Psychological Emotional Construct in the Context of Professional Formation	NSF Grantees Poster Session	Poster Session	Huff	James
61	21260	Lessons Learned from a NSF S-STEM Project in a Rural and Hispanic Serving Institution	NSF Grantees Poster Session	Poster Session	Hurtado	Ivan
62	23979	An Instructional Framework for the Integration of Engineering into Middle School Science Classrooms	NSF Grantees Poster Session	Poster Session	Hutner	Todd

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63	22872	Usability of a Mobile Augmented Reality Application to Teach Structural Analysis	NSF Grantees Poster Session	Poster Session	Ilgu	Aliye
64	21275	NSF REU SITE: Collaborative Research: Integrated Academia-Industry Research Experience for Undergraduates in Smart Structure Technology	NSF Grantees Poster Session	Poster Session	Jiang	Zhaoshuo
65	22787	How to Increase the Impacts of the REU Experience in an Interdisciplinary Research-based REU Site	NSF Grantees Poster Session	Poster Session	Jin	Kai
66	21534	Advanced Manufacturing Research Experiences for High School Teachers: Effects on Perception and Understanding of Manufacturing	NSF Grantees Poster Session	Poster Session	Johnson	Michael
67	23101	Results from the Implementation of Culturally-relevant Engineering Design Curriculum for the Navajo Nation and Future Directions	NSF Grantees Poster Session	Poster Session	Jordan	Shawn
68	22005	A Multidisciplinary Professional Development Program that Shifts Faculty Attitudes and Practice Toward Evidence-Based Instructional Strategies (EBIS) for Teaching and Learning	NSF Grantees Poster Session	Poster Session	Judson	Eugene
69	22829	USE4WRM: Recruitment and Retention for Environmental Engineering and Water Resources Management Programs	NSF Grantees Poster Session	Poster Session	Kandiah	Ramanitharan
70	21326	Do Adaptive Lessons for Pre-class Experience Improve Flipped Learning?	NSF Grantees Poster Session	Poster Session	Kaw	Autar
71	22945	Making a New Path: Lessons Learned During the 'Making the Data' Phase of our Project	NSF Grantees Poster Session	Poster Session	Kellam	Nadia
72	22946	An Exploration of the Diverse Stories of Engineering Students at Community Colleges: Findings from Year One	NSF Grantees Poster Session	Poster Session	Kellam	Nadia
73	23492	IUSE: EHR - Enhancing and Expanding Experiential Learning Modules across Disciplines and Institutions	NSF Grantees Poster Session	Poster Session	Kim	Gloria
74	21740	How "What Might Have Been" can Shape What's Yet to Come: Preliminary Evidence for Counterfactual Thoughts as an Intervention in Early Engineering Courses	NSF Grantees Poster Session	Poster Session	Kirkmeyer	Brian
75	21673	Normative and Non-Normative Engineering Student Experiences in Navigating the Cultures of Engineering	NSF Grantees Poster Session	Poster Session	Kirn	Adam
76	21947	Strengthening the STEM Pipeline for Elementary School African Americans, Hispanics, and Girls by Scaling Up Summer Engineering Experiences	NSF Grantees Poster Session	Poster Session	Knight	David
77	21946	Gatekeepers to Broadening Participation in Engineering: Investigating Variation Across High Schools Comparing Who Could Go versus Who Does Go into Engineering	NSF Grantees Poster Session	Poster Session	Knight	David
78	22366	Work in Progress: Investigating the Role of Social Responsibility on Veteran Student Retention	NSF Grantees Poster Session	Poster Session	Kulesza	Stacey
79	23961	Interdisciplinary Research Experiences for Undergraduates in Metrology and Non-Destructive Inspection	NSF Grantees Poster Session	Poster Session	Kuttolamadam	Mathew
80	23886	Building a Networked Improvement Community (NIC) around Engaging Minority Males in STEM	NSF Grantees Poster Session	Poster Session	Ladeji-Osias	Jumoke
81	21757	Measuring the Pro-Social Value System of Electrical Engineering Students	NSF Grantees Poster Session	Poster Session	LaMeres	Brock

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82	21893	Increasing the Spatial Intelligence of 7th Graders using the Minecraft Gaming Platform	NSF Grantees Poster Session	Poster Session	LaMeres	Brock
83	22100	STEM Storytellers: Improving the Oral Communication Skills of STEM Graduate Students	NSF Grantees Poster Session	Poster Session	LaMeres	Brock
84	23476	Student Learning Trajectories from Making and Engineering Activities	NSF Grantees Poster Session	Poster Session	Lande	Micah
85	21996	Towards a National Agenda for Broadening the Participation of African Americans in Engineering and Computer Science: Insights from Year 1	NSF Grantees Poster Session	Poster Session	Lee	Walter
86	21687	Preliminary Study of Active Flipped Learning in Engineering Mechanics	NSF Grantees Poster Session	Poster Session	Li	Lin
87	22660	Creating and Assessing an Upper Division Additive Manufacturing Course and Laboratory to Enhance Undergraduate Research and Innovation	NSF Grantees Poster Session	Poster Session	Li	Bingbing
88	23170	Student-Generated Problems that Reverse Engineer YouTube Videos	NSF Grantees Poster Session	Poster Session	Liberatore	Matthew
89	21189	Building an Infrastructure to Enhance and Sustain the Success of STEM Majors Who are Commuting Students	NSF Grantees Poster Session	Poster Session	Libii	Josua©
90	21314	Expanding Access to and Participation in MIDFIELD (Year 2)	NSF Grantees Poster Session	Poster Session	Lord	Susan
91	21386	Military Veteran Students' Pathways in Engineering Education (Year 4)	NSF Grantees Poster Session	Poster Session	Lord	Susan
92	22466	Promoting Academic and Career Success for Raleigh Future Scholars at NC State University	NSF Grantees Poster Session	Poster Session	Lunardi	Leda
93	21142	Scholarships Advancing STEM Students	NSF Grantees Poster Session	Poster Session	Maccariella	James
94	21337	Student Career Decision Making Approaches and Development of Professional Engineering Trajectories	NSF Grantees Poster Session	Poster Session	Main	Joyce
95	21334	A Conceptual Model for Engineering Major Choice	NSF Grantees Poster Session	Poster Session	Main	Joyce
96	22540	S-STEM Scholarship Program in Manufacturing: First Three Years' Experience at the University of Michigan, Dearborn	NSF Grantees Poster Session	Poster Session	Mallick	Pankaj
97	23072	Effectiveness of A Scholarship Program to Increase Retention in Engineering	NSF Grantees Poster Session	Poster Session	Martinez	Christopher
98	23107	MAKER: Identifying Practices of Inclusion in Maker and Hacker Spaces with Diverse Participation	NSF Grantees Poster Session	Poster Session	Masters	Adam
99	23168	Findings from the First Year of a Project that Partners Engineers and Educators in Rural Schools	NSF Grantees Poster Session	Poster Session	Matusovich	Holly
100	22333	Collaborative Research: Supporting Agency among Early Career Engineering Education Faculty in Diverse Institutional Contexts	NSF Grantees Poster Session	Poster Session	McCave	Erin
101	22830	Progress on the Pathway to Instigating a Revolution of Additive Innovation	NSF Grantees Poster Session	Poster Session	McKenna	Ann
102	22487	A Research Experience for Undergraduates (REU) Program Coupling Energy-related Research with Training in Entrepreneurship	NSF Grantees Poster Session	Poster Session	Melvin	Adam
103	23291	Exploring Enculturation in the First-Year Engineering Program (Year II)	NSF Grantees Poster Session	Poster Session	Mendoza	Noemi

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104	21180	Spatial Skills Training Impacts Retention of Engineering Students “ Does This Success Translate to Community College Students in Technical Education?	NSF Grantees Poster Session	Poster Session	Metz	Susan
105	23903	ECE Scholars: NSF S-STEM Grant	NSF Grantees Poster Session	Poster Session	Miguel	Agnieszka
106	21919	The Redshirt in Engineering Consortium: Progress and Early Insights	NSF Grantees Poster Session	Poster Session	Milford	Jana
107	22778	Enhancing Critical Life-Cycle Decision Making in Complex Engineering Projects in the Context of Engineering Economy Courses	NSF Grantees Poster Session	Poster Session	Min	K.
108	22008	Communicating Findings about Online Forum Use among Undergraduates in Distance-delivered Calculus: Developing a Help Seeking Usage Model	NSF Grantees Poster Session	Poster Session	Minichiello	Angela
109	22389	Elites: A STEM Leadership Program	NSF Grantees Poster Session	Poster Session	Mistele	Jean
110	21108	What Activities and Practices Sustain the Engagement of Highly Diverse Communities of Young Engineering Students in an Out-of- School Fellowship Program?	NSF Grantees Poster Session	Poster Session	Mohabir	Priya
111	21997	EAGER: Student Support in STEM: Developing and Validating a Survey Instrument for Assessing the Magnitude of Institutional Support Provided to Undergraduate Students at a College Level	NSF Grantees Poster Session	Poster Session	Moyer	Lisa
112	22435	IUSE: A Web-Based Tool for Engineering Design Pedagogy Research	NSF Grantees Poster Session	Poster Session	Moyne	Martina
113	23826	Understanding and Diversifying Transfer Student Pathways to Engineering Degrees: Preliminary Findings on Engineering Transfer Students’ Perception of the Transfer Process	NSF Grantees Poster Session	Poster Session	Ogilvie	Andrea
114	22265	Optimizing Student Team Skill Development using Evidence-Based Strategies: Year 3: NSF Award 1431694	NSF Grantees Poster Session	Poster Session	Ohland	Matthew
115	23060	Community Cultures: Broadening Participation By Understanding How Rural Communities Support Engineering as a College Major Choice	NSF Grantees Poster Session	Poster Session	Paretti	Marie
116	22135	Integrating Humanities with Engineering Fundamentals	NSF Grantees Poster Session	Poster Session	Pepe	Erin
117	22341	Synergies between Experience and Study in Graduate Engineering Education	NSF Grantees Poster Session	Poster Session	Peters	Diane
118	23343	Lessons Learned: Using Modified Emerging Scholars Program Concepts in the Development of STEP Grant “ Funded Initiatives	NSF Grantees Poster Session	Poster Session	Peterson	Lynn
119	22924	Lessons Learned from a Collaborative NSF RET Program involving Three Regional Universities	NSF Grantees Poster Session	Poster Session	Pinnell	Margaret
120	21764	Developing Metacognitive Skills in PBL Undergraduate Engineering	NSF Grantees Poster Session	Poster Session	Plumb	Carolyn
121	22693	Student Innovation and Persistence in STEM Majors: What Works and What Doesn’t for Community College Students	NSF Grantees Poster Session	Poster Session	Ragusa	Gisele
122	21456	Retrieval Practice and Spacing: Effects on Long-Term Learning among Engineering Precalculus Students	NSF Grantees Poster Session	Poster Session	Ralston	Patricia

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123	21841	Impact of Undergraduate Research Experiences on Diverse National and International Undergraduate Researchers	NSF Grantees Poster Session	Poster Session	Richard	Jacques
124	23316	Developing Changemaking Engineers â€” Year Three	NSF Grantees Poster Session	Poster Session	Roberts	Chell
125	22162	Interpersonal Interactions that Foster Inclusion: Building Supports for Diversity in Engineering Teams	NSF Grantees Poster Session	Poster Session	Rodriguez-Simmonds	Hector
126	21821	Providing Student Feedback from Motivation Assessments in Capstone Courses	NSF Grantees Poster Session	Poster Session	Rogers	Peter
127	21214	A New Approach to Collaboration: A Partnership between an NSF-funded Engineering Research Center and a Liberal Arts College	NSF Grantees Poster Session	Poster Session	Roth	Mary
128	22426	Implementing National Best Practices to Improve STEM Retention in a Liberal Arts College Setting	NSF Grantees Poster Session	Poster Session	Sakakeeny	Maureen
129	23203	Improving Student Experiences to Increase Student Engagement (ISE-2)	NSF Grantees Poster Session	Poster Session	Sandoval	Carolyn
130	23738	Algebra-Related Misconceptions Identified in a First-Year Engineering Reasoning Course	NSF Grantees Poster Session	Poster Session	Santiago	Lizzie
131	23258	The Formation of Undergraduate Engineers as Engineering Leaders	NSF Grantees Poster Session	Poster Session	Schell	William
132	22564	PEEPS S-STEM Partnering with Americorps CSU STEM VISTAs	NSF Grantees Poster Session	Poster Session	Schlemer	Lizabeth
133	23640	Multidisciplinary Modules on Sensors and Machine Learning	NSF Grantees Poster Session	Poster Session	Shanthamallu	Uday
134	21090	Evaluation of Suffolk Universityâ€™s Electrical Engineering S-STEM Program at Year 4	NSF Grantees Poster Session	Poster Session	Shatz	Lisa
135	22364	FOUNDATIONS â€” Integrating Evidence-based Teaching and Learning Practices into the Core Engineering Curriculum	NSF Grantees Poster Session	Poster Session	Sheppard	Keith
136	21607	A Multidisciplinary Approach to Support Undergraduate Students and Improve Retention and Success	NSF Grantees Poster Session	Poster Session	Shipley	Heather
137	22998	Preliminary Validity Evidence for a Brief Measure of Engineering Identity	NSF Grantees Poster Session	Poster Session	Shryock	Kristi
138	23609	Engineering Pathways for P-12 Teacher Preparation	NSF Grantees Poster Session	Poster Session	Siller	Thomas
139	23803	Increasing Impact of the Hidden Curriculum: Exploring Student Outcomes from Out-of-Class Activities	NSF Grantees Poster Session	Poster Session	Simmons	Denise
140	23508	Investing in Instructors: Creating Intelligent Feedback Loops in Large Foundational Courses for Undergraduate Engineering	NSF Grantees Poster Session	Poster Session	Soledad	Michelle
141	22673	"STEP-ing" Up: Building a Successful Student Leadership Program	NSF Grantees Poster Session	Poster Session	Steele	Adrienne
142	22016	Professional Engineering Pathways Study: The Value of a Community of Practice to Stimulate Use of Research Findings that Inform Practice	NSF Grantees Poster Session	Poster Session	Streveler	Ruth
143	21921	Recruitment, Mentoring, and Retention through the Aerospace and Industrial Engineering (ASPIRE) Scholarship Program	NSF Grantees Poster Session	Poster Session	Sullivan	Rani

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144	22119	Re-Situating the Professional Formation of Engineering Identity	NSF Grantees Poster Session	Poster Session	Sweeney	James
145	21414	Implementing Best Practices and Facing Facilities Realities: Creation of a New University Makerspace	NSF Grantees Poster Session	Poster Session	Talley	Kimberly
146	22611	High-Achievers Scholarship Program in Computer Science and Mathematics	NSF Grantees Poster Session	Poster Session	Tashakkori	Rahman
147	22745	Increasing Women's Participation in Undergraduate Computing and Engineering with Systemic Change	NSF Grantees Poster Session	Poster Session	Thompson	Leisa
148	23694	Learning in Academic Makerspaces: Preliminary Case Studies of How Academic Makerspaces Afford Learning for Female Students	NSF Grantees Poster Session	Poster Session	Tomko	Megan
149	21093	Scaling-Up, Institutionalizing, and Sustaining a STEM Talent Expansion Program Program at University XX	NSF Grantees Poster Session	Poster Session	Tsang	Edmund
150	21664	Examining Interventions to Increase Classroom Community and Relevancy in an Early Career Engineering Course	NSF Grantees Poster Session	Poster Session	Tuchscherer	Robin
151	23354	Product Life-cycle Management Scholarship Program	NSF Grantees Poster Session	Poster Session	Van	Robert
152	21897	Professional Development Activities that Improve the Persistence of Low-Income, Academically Talented Underrepresented Graduate Students in Engineering	NSF Grantees Poster Session	Poster Session	VanderGheynst	Jean
153	22581	An Ecosystem for Success in Engineering and Computer Science	NSF Grantees Poster Session	Poster Session	Vasquez	Horacio
154	22464	A Rolling Stone: Evaluation of one NSF S-STEM Program through Successive Grant Periods	NSF Grantees Poster Session	Poster Session	Vernaza	Karina
155	23253	Ziping to STEM: Integrating Engineering Design in Middle School Science	NSF Grantees Poster Session	Poster Session	Visco	Donald
156	22548	Introduction and Assessment of i-Newton for the Engaged Learning of Engineering Dynamics	NSF Grantees Poster Session	Poster Session	Vitali	Rachel
157	23852	Enriching Communication in Introductory Computer Science Courses: A Retrospective of the Agile Communicators Project	NSF Grantees Poster Session	Poster Session	Wallace	Charles
158	22372	Designing Engineers Student Survey: Instrument Development and Preliminary Psychometric Data	NSF Grantees Poster Session	Poster Session	Walton	Tobin
159	22212	NSF Bridges to STEM Careers	NSF Grantees Poster Session	Poster Session	Wiggins	Nathanial
160	22328	The Researcher/Practitioner Strategic Partnership: Linking Theory and Practice for Change in Engineering and Computer Science Education	NSF Grantees Poster Session	Poster Session	Williams	Julia
161	23830	General Chemistry Laboratory as Situated Engineering Design	NSF Grantees Poster Session	Poster Session	Wu	Chang-Yu
162	22448	Learning in Laboratories: How Undergraduates Participate in Engineering Research	NSF Grantees Poster Session	Poster Session	Wylie	Caitlin
163	21250	Assessing the Modular-based Digital Forensics Game for Entry Level Students	NSF Grantees Poster Session	Poster Session	Yacci	Michael
164	24000	Implementing a Successful S-STEM Project on SETS in an Urban Large Public University	NSF Grantees Poster Session	Poster Session	Yuan	Xiaoqing

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165	21810	Promoting Neurodiversity in Engineering through Undergraduate Research Opportunities for Students with ADHD	NSF Grantees Poster Session	Poster Session	Zaghi	Arash
166	22019	Exploring Follow-up Effect of Scaffolding for Creative Problem Solving through Question Prompts in Project-based Community Service Learning	NSF Grantees Poster Session	Poster Session	Zheng	Wei
167	22021	Effects of Online Collaborative Learning with Scaffolding in Multiple STEM Courses Based on Results from Three Consecutive-Year Implementation	NSF Grantees Poster Session	Poster Session	Zheng	Wei
168	21179	First Year Experience from RET Site: Incorporating Engineering Design and Manufacturing into the High School Curriculum	NSF Grantees Poster Session	Poster Session	Zhu	Weihang