



2019 S-STEM Symposium Poster Schedule

Creating Pathways to an Inclusive STEM Workforce

September 12-14, 2019 | Washington, D.C.

Session 1: Thursday, September 12th

6:30pm - 8:00pm

Session 2: Friday, September 13th

Track	PI's Institution:	PI	Abstract Title:	Poster #	Session #
Track 1: Institutional Capacity Building	Albany State University	Louise Wrensford	Cohort Community for Perseverance and Persistence in STEM Scholars Program	1	1
Track 1: Institutional Capacity Building	Albertus Magnus College	Mark Barreuther	Scholarship Program for Mathematics and Sciences Study	3	1
Track 1: Institutional Capacity Building	Austin College	Steven Goldsmith	Austin College Career Empowering STEM Scholars	5	1
Track 1: Institutional Capacity Building	Cabrini University	Caroline Nielsen	Science Scholars for Social Justice: Integrating Scientific Knowledge and the Common Good	7	1
Track 1: Institutional Capacity Building	Central Carolina Community College	Rodney Powell	STEP-UP Scholars: Encouraging Scholarship in Science, Technology, and Engineering	9	1
Track 1: Institutional Capacity Building	College of DuPage	Richard Jarman	Intrusive Advising in Improving Student Success in STEM Disciplines	11	1
Track 1: Institutional Capacity Building	Galveston College	Ana Sanchez	Building Our Potential: A STEM Honors and Scholars Initiative at a Hispanic-Serving Community College	13	1

*Listed by Track then by Institution

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Track 1: Institutional Capacity Building	George Mason University	Rebecca M. Jones	RADSS: The Rural and Diverse Student Scholars Program at Mason	15	1
Track 1: Institutional Capacity Building	Linfield College	Brian Gilbert	The Linfield College S-STEM Program	17	1
Track 1: Institutional Capacity Building	Michigan State University	Ryan Sweeder	SPRING Scholars - Supporting STEM Students with Low Math Placement Scores	19	1
Track 1: Institutional Capacity Building	Montclair State University	Nina M. Goodey	The OPEN-NJ Program: A Model for Enabling Students to Transition from other STEM Disciplines to Chemistry and Biochemistry Graduate Study	21	1
Track 1: Institutional Capacity Building	North Dakota State College of Science	William Shay	The Science of Success: Experiential Learning and Career Readiness Across STEM Disciplines	23	1
Track 1: Institutional Capacity Building	Pellissippi State Community College	Chris Milne	SUCCESS in STEM: Supporting College and Career Education through Student Scholarships	25	1
Track 1: Institutional Capacity Building	Purdue University Fort Wayne	Josué Njock Libii	Building a Sustainable Institutional Structure to Support STEM Scholars at Purdue Fort Wayne	27	1
Track 1: Institutional Capacity Building	Saint Leo University	Vyas Krishnan	NSF S-STEM Scholarship Grant for the Emerging Mathematics and Computer Science Scholars (EMACS) Program	29	1
Track 1: Institutional Capacity Building	Saint Louis University	Michael Goldwasser	Bioinformatics Training with Industry Support and Engagement (BITWISE)	31	1

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Track 1: Institutional Capacity Building	Saint Mary's College of California	Chris Jones	Mentored Access to Programs in Science (MAPS)	33	1
Track 1: Institutional Capacity Building	University of West Florida	Karen Molek	Implementation of a STEM for Life Seminar Course at a Regional Comprehensive Institution to Improve Academic Progress and Retention	35	1
Track 1: Institutional Capacity Building	Yakima Valley College	Matthew R. Loeser	New Scientist Training (NeST): STEM student success at Yakima Valley College	37	1
Grad 10K	California State University Monterey Bay	Sathya Narayanan	Computing Talent Initiative: A Public-Private Partnership for Building a Diverse Tech Pipeline	39	1
Grad 10K	Cornell University	Mark Lewis	CUES: Cornell University Engineering Success Program	41	1
Grad 10K	Merrimack College	Marc Veletzos	Foundations for STEM Success - Implementing National Best Practices to Improve STEM Retention in a Liberal Arts College Setting	43	1
Grad 10K	Southern Illinois University	Cem Karacal	Student Teams Engaging Peers for Undergraduate Progress	45	1
Grad 10K	Syracuse University	Julie M. Hasenwinkel	STEM Recruitment: Convincing Outstanding Math-Potential Admits to Succeed in STEM (COMPASS)	47	1
Grad 10K	University of Texas Rio Grande Valley	Horacio Vasquez	An Ecosystem for Success in Engineering and Computer Science	49	1

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Grad 10K	University of Washington	Eve Riskin	The Washington State Academic RedShirt (STARS) in Engineering Program	51	1
STEP	Bucknell University	M. Lynn Breyfogle	Using Early Introduction to Undergraduate Research to Recruit, Retain, and Graduate More STEM Majors	53	1
STEP	University of Central Florida	Melissa Dagley	STEM Recruitment: Convincing Outstanding Math-Potential Admits to Succeed in STEM (COMPASS)	55	1
STEP	University of New Mexico	Tariq Khraishi	Steps in the Right Direction for Retention and Graduation Rates	57	1
Track 2: Design/Devel: Single Institution	Arizona State University	Sara Brownell	Making the LEAP from Community College Transfer Student to Researcher	59	1
Track 2: Design/Devel: Single Institution	Augsburg University	Rebekah Dupont	The AugSTEM Program: Informing Institutional Collaboration and Change to Prepare Juniors and Seniors for Careers in STEM	61	1
Track 2: Design/Devel: Single Institution	Broward College	David Serrano	S-STEM at a Large Urban Minority Serving Institution: Lessons Learned and Best Practices from our First 3 Years	63	1
Track 2: Design/Devel: Single Institution	California State University, Sacramento	Jennifer Lundmark	Hornet Science Scholars Program: Scholarships for Transfer Students at Sacramento State	65	1
Track 2: Design/Devel: Single Institution	Carleton College	Deborah S. Gross	Success of Low-Income, Academically-Talented Students in Carleton's Broader FOCUS Project	67	1

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Track	PI's Institution:	PI	Abstract Title:	Poster #	Session #
Track 2: Design/Devel: Single Institution	Georgia State University	Brooke Skelton	I Am STEM: Mindset and Belongingness in Underrepresented STEM Populations	69	1
Track 2: Design/Devel: Single Institution	Kapiolani Community College	Amy P. Yamashiro	Financial and Programmatic Pathway from Two to Four-year Institutions to Grow the Local STEM Workforce in the State of Hawaii	71	1
Track 2: Design/Devel: Single Institution	Marquette University	Gary Krenz	COSMIC: Change Opportunity - Start Masters in Computing	73	1
Track 2: Design/Devel: Single Institution	Michigan State University	S. Patrick Walton	Supporting Excellent Engineers: SEE Scholars at MSU	75	1
Track 2: Design/Devel: Single Institution	Northern New Mexico College	Joaquin Gallegos	Biology and Environmental Science Training (BEST): Implementation of an NSF Grant in an Underrepresented Hispanic Serving Institution	77	1
Track 2: Design/Devel: Single Institution	Purdue University	Robert M. Stwalley III	Rising Scholars: Web of Support used as an Indicator of Success in Engineering	79	1
Track 2: Design/Devel: Single Institution	Southern Illinois University Carbondale	Frances Harackiewicz	NSF S-STEM Southern Illinois Energy Scholarship Program at Year 3	81	1
Track 2: Design/Devel: Single Institution	Temple University	Judith Stull	Emerging STEM Scholars: Identifying Supports to Enable Promising Students to Succeed	83	1
Track 2: Design/Devel: Single Institution	University of California, Irvine	Laura Tucker	Multidimensional Support to Increase Retention of Physics Majors	85	1

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Track 2: Design/Devel: Single Institution	University of North Carolina, Greensboro	Jeffrey Patton	Science Technology and Math Preparation Scholarships (STAMPS) - Univ. of North Carolina Greensboro	87	1
Track 2: Design/Devel: Single Institution	University of Wisconsin - Milwaukee	Wilkistar Otieno	NSF S-STEM PECS program at UWM	89	1
Track 2: Design/Devel: Single Institution	Valparaiso University	Mindy Capaldi	Improving STEM Retention and Commuter Engagement through Research, Cohorts, and Faculty Mentoring	91	1
Track 2: Design/Devel: Single Institution	West Virginia University	Melissa Morris	The Academy of Engineering Success, a NSF S-STEM Supported, Retention Focused Program	93	1
Track 2: Design/Devel: Single Institution	William Marsh Rice University	Michael Wolf	Creating Technical Leaders from Farly Collegians of Exceptional Promise: A Comprehensive Program for Demolishing Barriers to Persistence.	95	1
Track 3: Design/Devel: Multi-Institutional	California State University San Bernardino	Kimberley Cousins	P3-STEM: Promoting STEM Transfer Student Success at Multiple Minority Serving/Hispanic Serving Institutions	97	1
Track 3: Design/Devel: Multi-Institutional	Indiana University- Purdue University Indianapolis	Mathew Palakal	Leading Informatics for Tomorrow (LiFT)	99	1
Track 1: Institutional Capacity Building	Ariel Cintron-Arias	Ariel Cintron-Arias	Capacity Building in STEM Careers with Emphasis on Mathematical Modeling	2	2
Track 1: Institutional Capacity Building	Central State University	Ramanitharan Kandiah	USE4WRM: Undergraduate Scholarships for Education Excellence in Environmental Engineering and Water Resources Management	4	2

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Track 1: Institutional Capacity Building	Colorado School of Mines	Tracy Camp	Path Ambassadors to High Success (PATHS)	6	2
Track 1: Institutional Capacity Building	Cornell College	Kara Beauchamp	Mentoring Students to Success in STEM Fields at Cornell College	8	2
Track 1: Institutional Capacity Building	Indiana University Northwest, Gary, Indiana	Bhaskara Kopparty	Who Wants Scholarships? Experiences from a Commuter Educational Institution	10	2
Track 1: Institutional Capacity Building	Iona College	Sunghee Lee	Iona DESIRE-Development of Excellence in Science through Intervention, Resilience, and Enrichment	12	2
Track 1: Institutional Capacity Building	Johnson County Community College	Beth Edmonds	Johnson County Community College STEM Scholars Program - Third Year Review	14	2
Track 1: Institutional Capacity Building	Landmark College	Michelle LW Bower	Mentoring and Identity in Neurodiverse Undergraduate Students	16	2
Track 1: Institutional Capacity Building	Longwood University	Wade Znosko	The LIFE STEM Program: An Interdisciplinary Approach to Foster the Next Generation of STEM Professionals	18	2
Track 1: Institutional Capacity Building	Mills College	Helen Walter	Preparing and Diversifying STEM Leaders in a First-year to Graduation Transition Program	20	2
Track 1: Institutional Capacity Building	Mount Saint Mary's University (MSMU), Los Angeles	Afsane Arvand	Factors Affecting the Success of S4 Program in Supporting MSMU STEM Students to Persist in the Major	22	2

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Track 1: Institutional Capacity Building	New York City College of Technology, CUNY	Urmi Ghosh-Dastidar	NSF S-STEM grant Advancing Student Futures in Science, Technology, Engineering, and Mathematics	24	2
Track 1: Institutional Capacity Building	Pacific University	Kevin E. Johnson	Pacific Scholarships in Mathematics and Sciences: Improving Outcomes Through Engaging with Students' Families	26	2
Track 1: Institutional Capacity Building	Rivier University	Susan E. Barbaro	ARGYLES: Attract, Retain, and Graduate Young Life Scientists	28	2
Track 1: Institutional Capacity Building	Santa Monica College	Vicki Drake	Santa Monica College STEM Scholars: Building and Retaining Diversity in STEM among Community College Students through Scholarship and Effective Practice	30	2
Track 1: Institutional Capacity Building	St. Cloud State University	Susantha Herath	Computing and Engineering Scholarship Program at SCSU for Underrepresented Students (CESP-US) 2015-2019	32	2
Track 1: Institutional Capacity Building	St. John's University	Alison Hyslop	STEM Scholars Program at St. John's University: CUREs and Faculty Learning Communities	34	2
Track 1: Institutional Capacity Building	Upper Iowa University	Katherine McCarville	STEM-Pros at Upper Iowa University: Engaging iGen Undergraduates in STEM Disciplines	36	2
Track 1: Institutional Capacity Building	Viterbo University	Michael Alfieri	Project SUCCESS - Scaffolding Undergraduate Curriculum and Career Exploration for Science Success	38	2
Track 1: Institutional Capacity Building	Webster University	Stephanie Schroeder	Winning Approaches for Talented Transfers in STEM (WATTS)	40	2

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Track 1: Institutional Capacity Building	Westminster College	Peter M. Smith	Rural Discovery Scholars	42	2
Track 2: Design/Devel: Single Institution	Alabama A&M University	Showkat Chowdhury	Effect of Scholarships and Academic Support on Minority Student Success in STEM	44	2
Track 2: Design/Devel: Single Institution	Canisius College	Andrew D. Stewart	Canisius Science Scholars: Providing an Integrated Academic and Social Support Scaffolding in the Biological Sciences	46	2
Track 2: Design/Devel: Single Institution	Contra Costa College	Mark Wong	Contra Costa College S-STEM Scholar Project	48	2
Track 2: Design/Devel: Single Institution	CUNY Borough of Manhattan Community College	Anna Salvati	Broadening STEM Participation Among Minority Students in an Urban Community College	50	2
Track 2: Design/Devel: Single Institution	Holyoke Community College	Ileana Vasu	Lessons Learned from Holyoke Community College's STEM Scholars Program	52	2
Track 2: Design/Devel: Single Institution	Kenyon College	Karen A. Hicks	The Role of High Impact Practices for STEM Persistence and Career Success	54	2
Track 2: Design/Devel: Single Institution	Louisiana Tech University	Marita Apter-Desselles	Mid-Project Review of a Summer Sophomore Bridge Scholarship Program	56	2
Track 2: Design/Devel: Single Institution	New Mexico State University	Paola Bandini	Increasing the Success of Low-Income, Academically Talented Students in Engineering	58	2

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Track 2: Design/Devel: Single Institution	North Carolina State University	Robert Rose	Expanding Access to a Research Masters Degree with Applications in Agriculture and Human Health	60	2
Track 2: Design/Devel: Single Institution	Portland Community College	Dorina Cornea- Hasegan	Mentoring in Manufacturing Technology MeMT	62	2
Track 2: Design/Devel: Single Institution	Portland Community College	Tara Nelson	Realizing Engineering Technology Achievement (RETA)	64	2
Track 2: Design/Devel: Single Institution	Praire View A&M University	Sherri S. Frizell	Engineering Scholars Program: Fostering the Next Generation of STEM Leaders	66	2
Track 2: Design/Devel: Single Institution	Randolph College	Peter Sheldon	Step Up to Physical Science and Engineering at Randolph, Phase B (SUPERB)	68	2
Track 2: Design/Devel: Single Institution	Rochester Institute of Technology	Surendra K. Gupta	VTAB: Vertical Transfers' Access to the Baccalaureate in Engineering & Engineering Technology	70	2
Track 2: Design/Devel: Single Institution	South Dakota School of Mines & Technology	Michael West	Culture and Attitude NSF S-STEM Program to Engage Women in Engineering	72	2
Track 2: Design/Devel: Single Institution	Southern Illinois University	Bruce DeRuntz	Pathways to STEM Leadership (PSL)	74	2
Track 2: Design/Devel: Single Institution	Suffolk County Community College	Candice J. Foley	Support for Undergraduates at the Community College Engaged STEM Studies (SUCCESS) at Suffolk County Community College	76	2

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Track 2: Design/Devel: Single Institution	Syracuse University	John W. Tillotson	The Strategic Undergraduate STEM Talent Acceleration Initiative (SUSTAIN) at Syracuse University	78	2
Track 2: Design/Devel: Single Institution	Texas A&M International University	Runchang Lin	The Effects of Student Success Workshops on Undergraduate Hispanic STEM Students on the U.S.-Mexico Border	80	2
Track 2: Design/Devel: Single Institution	University of California, Davis	Colleen Bronner	Preparing Engineering Graduate Students for the 21st Century (PEGS-21)	82	2
Track 2: Design/Devel: Single Institution	University of California, Riverside	Connie Nugent	PERSIST- Promoting Engagement, Retention and Success in STEM Training	84	2
Track 2: Design/Devel: Single Institution	University of Texas at El Paso	Lourdes E. Echegoyen	Achieve Career Success in Science through Excellence (ACSScellence)	86	2
Track 2: Design/Devel: Single Institution	University of Wisconsin - Madison	Cathy Middlecamp	Together for the Planet: S-STEM at the University of Wisconsin-Madison	88	2
Track 3: Design/Devel: Multi-Institutional	East Stroudsburg University	Teresa Michelle Jones-Wilson	Clear Path: A Community College - University Partnership for STEM Student Success	90	2
Track 3: Design/Devel: Multi-Institutional	University of Washington	Eve Riskin	The Redshirt in Engineering Consortium	92	2