

## Posters/Abstracts By Cluster

### BP -- Bridge Programs

Poster #	Sess.	Award #	Lead Author	Institution	Title
BP - 01	A	0757088	Sena	Northern New Mexico College	Advancing STEM Performance, Innovation, and Retention
BP - 02	B	0969360	Shana.	Milwaukee Area Technical College	BEST Efforts at Milwaukee Area Technical College: A Dual-Bridge Initiative Between High Schools and Four-Year Colleges
BP - 03	A	0756838	Kolvoord	James Madison University	Bridging the Valley: A STEP Ahead for STEM Majors
BP - 04	B	0856704	Crouch	Dickinson College	Combining the cohort model with early research to improve retention of underrepresented minority students in the sciences at a liberal arts college
BP - 05	A	0969109	Mendell	Bridgewater State University	Early Undergraduate Research Models and Inquiry-based Interventions
BP - 06	B	1161113	Hattaway	Wentworth Institute of Tech	Ensuring Early Mathematics Success for STEM Majors
BP - 07	A	1068483	Rivera-Figueroa	East Los Angeles College	High School STEM Summer Bridge Program to Community College
BP - 08	B	1317238	Naegele	University of Portland	Increasing Retention in Engineering and Computer Science With a Focus on Academically At-risk First Year and Sophomore Students
BP - 09	A	1317450	Hane	Rochester Institute of Tech	Integrating Metacognitive Practices & Research to Ensure Student Success
BP - 10	B	0969571	Cheatham	Middle Tennessee State University	Mathematics as a FirstSTEP to Success in STEM
BP - 11	A	0856767	Allen	Texas A & M University	Retention Through Remediation Enhancing Calculus I Success
BP - 12	B	1161214	Karunathilake	West Virginia State University	STEP to success summer bridge and supplemental instructions program
BP - 13	A	1161297	Gibson	Maryville College	Scots Science Scholars Summer Experience: Preliminary Assessment of Learning Gains

### CI -- Course and Curriculum Improvement

Poster #	Sess.	Award #	Lead Author	Institution	Title
CI - 01	A	0756847	Ramachandran	University of South Florida	A STEP to Grow in Science-Engineering-Mathematics Undergraduate Degrees
CI - 02	B	1317501	McCray	Cornell University	Cornell University Engineering Success Program
CI - 03	A	0969568	Manning	Concordia College	Implementing Studio Physics Pedagogy at Concordia College
CI - 04	B	1125331	Manduca	Carleton College	InTeGrate: Interdisciplinary Teaching about the Earth for a Sustainable Future
CI - 05	A	0856716	Tkacik	University of North Carolina at Charlotte	Increasing Enrollment and Retention at UNC Charlotte
CI - 06	B	0969618	Mills	Tennessee Technological University	Math Success for STEM Majors
CI - 07	A	1068103	Rawn	University of Tennessee	Research and Instructional Strategies for Engineering Retention - RISER
CI - 08	B	1068445	Stauffer	Sonoma State University	S3: STEPping Up STEM at Sonoma State University
CI - 09	A	1161220	Silverman	Foothill College	STEMWay

## ER -- Educational Research & Policy

Poster #	Sess.	Award #	Lead Author	Institution	Title
ER - 01	A	0969474	Ohland	Purdue University	Characterizing and Modeling the Experience of Transfer Students in Engineering
ER - 02	B	0969286	Stearns	University of North Carolina at Charlotte	Finding the Roots: Interactive Influences of Individual, Secondary School, and College Institutional Factors in the Success of Women and Underrepresented Minorities in STEM Majors
ER - 03	A	1317309	Goldrick-Rab	University of Wisconsin-Madison	The Price of STEM Success: Explaining the Impact of Need-Based Financial Aid on STEM Student Behavior

## FD -- Faculty Development & Networking

Poster #	Sess.	Award #	Lead Author	Institution	Title
FD - 01	A	1317540	Hasenwinkel	Syracuse University	ECLIPSE: Enhancing the Climate for Persistence and Success in Engineering
FD - 02	B	1068238	Kohlhorst	Emory University	Gateways to Success in Science, Mathematics and Computer Science: Faculty and Student Development Initiatives
FD - 03	A	0856815	Callahan	Boise State University	Idaho Science Talent Expansion Program 2014- Creating a STEM Identity: Investment with Return
FD - 04	B	1143572	Siemens	University of Oregon	STEP Central Community of Practice

## LC -- Learning Communities and Cohort-Building

Poster #	Sess.	Award #	Lead Author	Institution	Title
LC - 01	A	1068170	Sible	Virginia Tech	A Tale of Two High-Impact Practices: Comparing Summer Bridge and Living-Learning Community
LC - 02	B	0969428	Olmstead	Salisbury University	Bridges for SUCCESS
LC - 03	A	1205954	Young	University of Central Florida	COMPASS
LC - 04	B	0969382	Niemi	LeTourneau University	First-Year initiatives for Retention Enhancement (FIRE)
LC - 05	A	1125457	Byers	Stanford University	National Center for Engineering Pathways to Innovation (Epicenter)
LC - 06	B	1068463	Hayman	Northern Illinois University	PROMISE Scholars Program
LC - 07	A	0856435	Evans	Rutgers University - Camden	Q-STEP: Community of Quantitative Scientists
LC - 08	B	0756879	Scott	Rutgers University - New Brunswick/Piscataway	RU STEP-Up for Success: Retaining Transfer Students in STEM
LC - 09	A	0968970	Mercier	Daytona State College	STEM Community Scholars Program
LC - 10	B	0969232	Smith	University of Maryland - College Park	Successful Engineering Education and Development Support (SEEDS) Program: Engineering Living and Learning Communities
LC - 11	A	0969153	Kopec	St. Edward's University	The CASAR Project/St. Edward's University
LC - 12	B	1161121	Goldberg	University of Michigan Ann Arbor	The M-STEM Academies at the University of Michigan
LC - 13	A	0756738	Ivey	University of Memphis	MemphiSTEP: A STEM Talent Expansion Program at the University of Memphis

MC -- Miscellaneous					
Poster #	Sess.	Award #	Lead Author	Institution	Title
MC - 01	A	1161204	Symms	Carroll University	Carroll University STEP Initiative - Engineering in Waukesha County
MC - 02	B	0969287	Grice	Western Michigan University	Effective Academic and Student Affairs Collaboration to Enhance Student Success in CEAS
MC - 03	A	0757020	Vergara	Michigan State University	Engaging Early Engineering Students (EEES) at Michigan State University and Lansing Community College
MC - 04	B	1161127	Damkaci	SUNY College at Oswego	Enhanced Tutoring Using Walk-Ins
MC - 05	A	0756992	Cohan	Pennsylvania State University	Final Outcomes for STEM Students Who Participated in Math Tutoring, a Toy-Based Freshman Engineering Design Course, or a Summer Bridge Program
MC - 06	B	1161231	Chase	Montgomery College	Montgomery College's Graduate & Transfer Science, Technology, Engineering & Mathematics Talent Expansion Program
MC - 07	A	1161052	Sadler	Harvard University	Outreach Programs and Science Career Intentions
MC - 08	B	1068399	Leoni	Edmonds Community College	Relationships in Science Education (RiSE)
MC - 09	A	1068150	Slunt	University of Mary Washington	STEM Talent Expansion through Research, Engagement, Preparation and Scholarship (STEREPS)
MC - 10	B	0969603	Rockhill	Seattle Central Community College	Seattle Community College District Ready! Set! Transfer! Project
MC - 11	A	1317149	Kahlow	University of Wisconsin-River Falls	The GREAT (Graduate-Retain-Engage-Advise-Team Learning) Falcon Project
MC - 12	B	1161180	Curras	University of Wisconsin-Platteville	The Power of Capacity Building
PI -- Peer Mentors in Supplemental Instruction (e.g., PLTL)					
Poster #	Sess.	Award #	Lead Author	Institution	Title
PI - 01	A	0969280	Bowling	Northern Kentucky University	Project FORCE: Focus on Occupations, Recruiting, Community, and Engagement
PI - 02	B	0856575	Raab	Saint Vincent College	5 Year Overview of the Collaborative Learning Program: A peer-led supplemental learning program in the sciences.
PI - 03	A	1317661	Kypuros	The University of Texas - Pan American	An Ecosystem for Success in Engineering and Computer Science
PI - 04	B	1161291	Custer	Texas A & M University - Kingsville	CASCaded Mentoring and Design Experiences (CASCADE)
PI - 05	A	1068301	Rich	University of Louisville	Empirical Evidence of Elements that Positively Impact STEM Retention
PI - 06	B	0757055	Reisel	University of Wisconsin - Milwaukee	Fostering Opportunities for Tomorrow's Engineers (FORTE)
PI - 07	A	1161152	Holcomb, Jr.	Cleveland State University	Operation STEM
PI - 08	B	1161127	Damkaci	SUNY College at Oswego	Peer Mentoring Using Science Labs
PI - 09	A	1068383	Lundmark	California State University - Sacramento	Project PASS: Peer Assisted Student Success

PS -- Project Sustainability/ Institutionalization					
Poster #	B	Award #	Lead Author	Institution	Title
PS - 01	A	0856796	Peterson	University of Texas at Arlington	AURAS: The University of Texas at Arlington Undergraduate Research-based Achievement for STEM Collaboration
PS - 02	B	1067896	Leggett-Robinson	Georgia Perimeter College	Building Success: One STEP at a Time
PS - 03	A	1161222	Aguiar	University of Notre Dame	Data Mining ePortfolios for Engagement Analytics
PS - 04	B	1160891	Bragg	Ranken Technical College	E3 - An Engineering Education Expansion Project at Ranken Technical College
PS - 05	A	0856396	Barthell	University of Central Oklahoma	Sustaining STEP activities through internal resources and external funding and through faculty development and student support
PS - 06	B	0969520	Dong	California State Polytechnical Univ. - Pomona	Three Strategies to Improve STEM Graduation Rates
PS - 07	A	0652982	Furse	University of Utah	Utah's Engineers: A Statewide Initiative for Growth
TF -- Two-Year/Four-Year Partnerships					
Poster #	Sess.	Award #	Lead Author	Institution	Title
TF - 01	A	1161177	Drew	University of Florida	A STEP Up for the Life Sciences: A research university/minority-serving college partnership
TF - 02	B	1161311	Waggenspack	Louisiana State University	Baton Rouge Community College – Louisiana State University: A Partnership for STEM Student Success
TF - 03	A	0856635	McBride	Eastern Arizona College	Collaborative Research: Motivated Engineering Transfers – STEM Talent Expansion Program (METSTEP)
TF - 04	B	1317386	Davari	University of Houston - Clear Lake	Collaborative STEP: Bridges to STEM Careers
TF - 05	A	1068477	De Leone	California State University - San Marcos	Increasing STEM talent through regional partnerships, recruiting, & retention
TF - 07	A	0856834	Anderson-Rowland	Arizona State University	Motivated Engineering Transfers STEM Talent Expansion Program (METSTEP)
TF - 08	B	0653090	Duggan	Northeastern University	NSF STEP Northeastern University
TF - 09	A	0856279	Abler	University of Wisconsin Colleges	Opening the Portals of Discovery: Increasing Opportunities in STEM Through Collaborative Research
TF - 10	B	0757053	Leckrone	Roosevelt University	Roosevelt University – Harold Washington College Partnership for STEM Education
TF - 11	A	0653236	Rover	Iowa State University	SEEC: Student Enrollment and Engagement through Connections
TF - 12	B	0856830	Guajardo	University of Washington-Seattle Campus	STEP 1B: WA MESA-MCCP Community College Model
TF - 13	A	0855343	Idoux	Tarleton State University	The Central Texas 2-STEP Project
TF - 14	B	0856549	Sibert	University of Texas at Dallas	The Dallas STEM Gateways Collaborative: An Analysis Of Gateway Course Grade Data As A Predictor Of Transfer Student Timing And Success
TF - 15	A	1161334	Harrison	New Mexico Institute of Mining and Technology	The New Mexico STEM Transfer Coalition
TF - 16	B	0856827	Jones, II	Chicago State University	Urban Science, Technology, Engineering, and Mathematics Talent Expansion Program

UR -- Early Undergraduate Research & Internships					
Poster #	Sess.	Award #	Lead Author	Institution	Title
UR - 01	A	0856770	Bower	Salt Lake Community College	A distributed genomics project to recruit high school students to STEM
UR - 02	B	0856593	Ness	Armstrong Atlantic State University	Bridging the Gap: Using Research and Learning Communities to Increase STEM Majors at AASU
UR - 03	A	0856613	Davis	Alma College	ENGAGING EARLY UNDERGRADUATE STEM STUDENTS IN RESEARCH EXPERIENCES TO IMPROVE RECRUITMENT AND RETENTION
UR - 04	B	0525440	Bandstra	Saint Francis University	STEPping UP: An Interdisciplinary mentoring Network to Recruit and Retain STEM Majors
UR - 05	A	1068182	Khraishi	University of New Mexico	STEPs in the Right Direction: Transforming Engineering/Computer Science Education at the University of New Mexico
UR - 06	B	1068341	Hannula	Fort Lewis College	Summer Research as a Tool for Recruitment and Retention in a 2-year/4-year Partnership: FOCUSS (Four Corners Undergraduate STEM Success)
UR - 07	A	0652963	Svoronos	CUNY Queensborough Community College	The Queensborough Bridge STEP Program
UR - 08	B	0756978	Krahling	University of Southern Indiana	The Southwest Indiana STEM (SwISTEM) Initiative
WM - Recruiting, Retaining Women & Minorities					
Poster #	Sess.	Award #	Lead Author	Institution	Title
WM - 01	A	0756918	Muldrow	Morehouse College	Enhancing Success in STEM by Building Skills and Intervention
WM - 02	B	0855730	Long	University of Houston	STEP Forward: STEM Talent Expansion Program for Women and Under Represented Group Recruitment and Retention Development at the University of Houston
WM - 03	A	0757057	Doerschuk	Lamar University	Students Advancing through Involvement in Research Student Talent Expansion Program (STAIRSTEP)
WM - 04	B	0653011	Wolfson	Towson University	TOPS: Creating a Sense of Community
WM - 05	A	0856309	Dyer-Barr	University of Illinois at Urbana-Champaign	Underrepresented Undergraduates in STEM at Large Research Universities: From Matriculation to Degree Completion