

6th Annual STEM Education Conference Day 1 Feb 16, 2023

Presenters

TIME	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
9:00 - 9:30 AM	Luis Fernandez; Kaitlyn Serbin; Guillermo Garza; Cristina Villalobos; Shaghayegh Setayesh	Keila Cervantes; Linda Palominos; Miriam Ortiz	Ashley Griffin-Gilchrist; Anthony E Muhammad	Mamta Singh; Tiya Davi	Decolonizing Research Session	Miryam Espinosa-Dulanto, Vejoya Viren; Johanna Esparza
9:30 - 10:00 AM		Dr. Esi A. Elliot	Bhaskar Upadhyay; Baliram Tharu	Jair Aguilar; Chandler Kang; Mariann Villarreal	Decolonizing Research Session	
10:00 - 10:30 AM			David Sparks	Fargol Seifollahi; Maryam Saberi; Noushin Nouri	Decolonizing Research Session	
10:30 - 10:45 AM	BREAK					
10:45 - 11:15 AM	Alyssa Cavazos; Melissa Rodriguez; Alonso Troncoso	Marialuisa Di Stefano	Belinda Guzman; Oscar Flores; Gerardo Flores; Roy Villaneuva	Noushin Nouri; Behzadipour, M; Jahanifar, M	Decolonizing Research Session	
11:15 - 11:45 AM		Sophia Marlow; Sarah El Halwany; Jennifer Adams		Wiktlor Mogiliski	Decolonizing Research Session	
11:45 AM - 1:15 PM	Lunch provided - Grand Ballroom					
1:15 - 1:45 PM	Daryl Chubin, PhD		Karin Lewis Miryam; Espinosa-Dulanto; Vejoya Viren; David Martinez Prieto; Silvia Solis, PhD	Maryam Saberi; Noushin Nouri; Mansour Vesali	Decolonizing Research Session	
1:45 - 2:15 PM				Karime Flores	Decolonizing Research Session	
2:15 - 2:45 PM				Decolonizing Research Session		
2:45 - 3:00 PM	BREAK					
3:00 - 3:30 PM	Megan Keniry; Javier Macossay-Torres; Elena Venegas; Lilia Cabrera; JSTEM Scholars		Poster Presentations: Andrew Tsin; Laura Valdez; Ellen Lukasik; Genesis Shalom Rubio; Victoria Galvan; Javier A. Ortega; Jenna Scoggin; Christopher Kenneth Smith; Liang Zeng; Guang Zeng; Luis Fernandez; Parama Chaudhuri; Daniel Davila-Prince; Jarrod Perez		Decolonizing Research Session	
3:30 - 4:00 PM					Decolonizing Research Session	
4:00 - 4:30 PM					Decolonizing Research Session	

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Session Titles

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9:00 - 9:30 AM	Teaching Calculus 1 via Specifications Grading: a Growth-Mindset Approach	Contextualizing Science Education in Non-communicable Diseases	Social-Emotional Learning, State Policy, and STEM Education: Examining Equity, Investigating Implementation	Assessing Preservice Teachers' Understanding of Disease and its Spread using Scientific Illustrations and Virtual Labs	Decolonizing Research Session	Developing Equity Oriented Practices in Secondary STEM Education
9:30 - 10:00 AM		Young Innovators and Frugal Innovations in Emerging Markets	Emotional nature of science engagement: Indigenous perspectives from one Indigenous group in Nepal	Teacher's perceptions and opinions of Mixed-Reality Simulation as a professional development tool	Decolonizing Research Session	
10:00 - 10:30 AM			The Intersectional Experiences of Black Immigrant Women Undergraduate STEM Students: A Phenomenological Study	Students' misconceptions about the electric field	Decolonizing Research Session	
10:30 - 10:45 AM	BREAK					
10:45 - 11:15 AM	STEM Undergraduate Latinx Students' Learning Experiences: Prioritizing Student Voices through an Equity Framework	Developing equitable disciplinary STEM biliteracies approaches in bilingual and dual language education setting	Practitioner Session - Teaching and learning through STEM activities and student organizations	Investigating the Role of Context in Student's Answers to Kinematic Questions.	Decolonizing Research Session	
11:15 - 11:45 AM		Caring differently for STEM education: Re-designing for equity and creativity		Reflective Homework System Environment in Calculus Courses	Decolonizing Research Session	
11:45 AM - 1:15 PM	Lunch provided - Grand Ballroom					
1:15 - 1:45 PM	Career Reflections—Themes, Regrets, Unsolicited Advice		Reimagining teaching and learning in STEAM: Cultivating sustainable symbiotic relationships among faculty and students at an HSI	Promoting Understanding of Four Dimensions of Science learning (4D) Using Phenomenon-Based learning: Candle Experiment	Decolonizing Research Session	
1:45 - 2:15 PM				The Power of Visual Aids in the Science Classroom	Decolonizing Research Session	
2:15 - 2:45 PM				Decolonizing Research Session		
2:45 - 3:00 PM	BREAK					
3:00 - 3:30 PM	JSTEM+Arts: A model of Interdisciplinary Learning for High School Students		Poster Presentations	Decolonizing Research Session		
3:30 - 4:00 PM				Decolonizing Research Session		
4:00 - 4:30 PM				Decolonizing Research Session		
Special Sessions	JSTEM Interviews (4:30 - 6:00 PM)	Advisory Board Dinner and Working Meeting (5:00 - 7:00 pm)				

6th Annual STEM Education Conference Day 2 Feb 17, 2023

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9:00 - 9:30 AM	Noe Vargas Hernandez; Arturo Fuentes; Javier Ortega; Karen Lozano; Eleazar Marquez	Cassia Guajardo; Johnny Salinas	Elizabeth Stephens; Isabel Anaya	Muhammad Bhatti	David Sparks; Brianna Lozano	Juan G. Alvarado
9:30 - 10:00 AM		Lluvia Garcia; Damaris Alanis	Pierre Lu; Chandler Kang	Melinda Wright		Lluvia Garcia, Isabel Amaro, Mario Almanza, Yailen Gomez
10:00 - 10:30 AM						
10:30 - 10:45 AM	BREAK					
10:45 - 11:15 AM	Pamela Groves	Wardell Powell; Milt Huling; Angela Chapman	CREST Closed Session	Mamta Singh; Itzanami Madrid	Bindhu Alappat	Lluvia Garcia, Isabel Amaro, Mario Almanza, Yailen Gomez
11:15 - 11:45 AM				Regina Toolin		
11:45 AM - 12:15 PM				Kristen Hallas		
12:15 - 1:30 PM	Lunch on your own					
1:30 - 2:00 PM	Liliana Trevino; Gustavo Valencia; Anna Gonzalez	Amy Weimer; Nick Weimer	CREST Closed Session	Jeff Wheatcraft	Miryam Espinosa-Dulanto; Vejoya Viren; Johanna Lynn Esparza	Lluvia Garcia, Isabel Amaro, Mario Almanza, Yailen Gomez
2:00 - 2:30 PM		Noe Vargas Hernandez; Sylvia Robles; Joanne Rampersad-Ammons				
2:30 - 3:00 PM						

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9:00 - 9:30 AM	Teaching Engineering Students to Self-Transform: Parallelisms between Product Innovation and Student Career Path Planning.	The Effects of School Redistricting and Underfunding on STEM in low-income Communities	Empowering a Thriving Generation of Student Change-Makers through Data, Technology, and Student Innovation	Outcomes of Teaching a live Demonstration in a Virtual Setting	UTeach: Preparing the Next Generation of Secondary STEM Teachers for Diverse Classrooms	Fact Checking with Checkology
9:30 - 10:00 AM		Mitosis Mystery: An Interactive Lesson on Mitosis for High School Biology Students	Flipped Virtual Classrooms for Promoting Active Learning: Using EDFR 6302 As an Example	The Next Step		JSTEM Interviews Closed
10:00 - 10:30 AM						
10:30 - 10:45 AM	BREAK					
10:45 - 11:15 AM	May the odds be in your favor! Digital class games for learning and assessment.	Addressing Socioeconomic Status, Students of Color, and Academic Achievement in Undergraduate STEM Education	CREST Closed Session	Preservice Teachers: Assessing Climate Change Knowledge & Awareness	Expanding HERizons: The Quest to Develop more BIPOC women leaders in science at St. Catherine University	JSTEM Interviews Closed
11:15 - 11:45 AM				Teachers Conceptions of Place-based Education: Place as object or context of investigation		
11:45 AM - 12:15 PM				Sociocultural Factors that Influence Latinas' STEM Trajectory		
12:15 - 1:30 PM	Lunch on your own					
1:30 - 2:00 PM	Super Coding to the Rescue!	Applying an Integrative Model to the Study of Academic Outcomes in Diverse Learners	CREST Closed Session	Confluence of STEM - Creating Collaboration across disciplines and stakeholders	Developing Equity Oriented Practices in Secondary STEM Classrooms	JSTEM Interviews Closed
2:00 - 2:30 PM		Food Security: at the Intersection of Entrepreneurship, Engineering, and Agriculture				
2:30 - 3:00 PM						