



CREATE for STEM Mini Conference 2026, Tuesday, May 12, 2026

Submitted Posters

Presenter	Co-Authors	Poster Title	Poster PDF	Poster PDF
Wanjoo Ahn	1) Christina Schwarz 2) Christina Schwarz, Aman Yadav	1) Preservice Teachers' Engagement with Equity Across Coursework Task Contexts in an Elementary Science Methods Course (Wanjoo Ahn, Christina Schwarz)/ 2) Elementary School Teachers' Computational Thinking Integration in Science (Ahn, C. Schwarz, A.Yadav)	Ahn, Wanjoo Poster 1.pdf	Ahn, Wanjoo Poster 2pdf
Ehud Aviran	P.I.: Prof. Barbara Schneider; Co-PI's Prof. Joseph Krajcik, Dr. Clauseell Mathis, Prof. Sheneka Williams	Cultural Resources for Crafting Engaging Science Environments: Evidence-based Science Learning for the Rural South	Aviran, Ehud Poster.pdf	
Garrett Brown	Tammy Long	Measuring Motivation in Undergraduate Introductory Biology	Brown, Garrett Poster.pdf	
Ayesha Bundy	Faculty Mentor: Dr. Matthew Voigt	Sustaining Active Learning in Undergraduate Mathematics using Joy as Praxis	Bundy, Ayesha Poster.pdf	
Yucheng Chu		I will present our work on an AI-based auto-grading system that supports scalable assessment while improving grading consistency and reliability. The project focuses on using language models to evaluate student responses and provide feedback.	Chu, Yucheng Poster.pdf	
Maria Cruciani	Sabrina Zarza	Considering Context: A Data Feminist Approach to Understanding Academic Inequities.	Cruciani, Maria Poster.pdf	
Rachel Frisbie	Rachel Roca - co-presenter, Emily Bolger, Kyla Hotton, Ishita LNU, Victor Piercey	Ethical STEM: History, Responsibility, and Lessons from the Holocaust Honors Option	Frisbie, Rachel Poster.pdf	
Weiwei He		Energy Transfer as the Thread of the Electromagnetism Unit	He, Weiwei Poster.pdf	
Ahmad Wachidul Kohar		From Artifacts to Context-based Mathematics Tasks: An Investigation of Preservice Teachers' AI-Supported Problem-Posing Processes	Kohar, Ahmad Wachidul Poster.pdf	
Demet Korucu	Rron Rexa, Ava Curtin, Sanjay George, Jeevan	Laboratory or Theory First in Electronic Optics to Optimize Teaching?	Korucu, Demet Poster.pdf	
Jorge Medina	Ryan Bowen and Nicole Becker	Reframing and Reassessing the Second Dimension: Crosscutting Concept Use in General Chemistry Assessments	Medina, Jorge Poster.pdf	
Cory Susanne Miller	Kara Haas	Rooted in Place: Exploring Nature with Advanced Elementary Teacher Candidates	Miller, Cory Poster.pdf	
I Putu Ade Andre Payadnya		Trial and Error with AI: Ethno-Computing Approaches to Indonesian Cultural Artifacts in Mathematics Learning	Payadnya, Andre Poster.pdf	
Rachel Roca	Rachel Frisbie - co-presenter, Emily Bolger, Kyla Hotton, Ishita LNU, Victor Piercey	Ethical STEM: History, Responsibility, and Lessons from the Holocaust Honors Option	Roca, Rachel Poster.pdf	
Namsoo Shin	Xunlei Qian, Harvey Li, Yucheng Chu, Cory Miller, Jiliang Tang, Joseph Krajcik, and Yue Xing	Enhancing Scoring Accuracy with Multi-Agent Systems: Analyzing Elementary Students' Written Responses in Science Assessment	Shin, Namsoo Poster.pdf	

Presenter	Co-Authors	Poster Title	Poster PDF	Poster PDF
Gulbakhyt Sultanova		Designing STEM Assessment Tasks through the Integration of Bloom's Revised Taxonomy and Cognitive Load Theory	Sultanova, Gulbakhyt Poster.pdf	
Farnaz Tajik	Tammy Long	Evaluating the Effects of Disciplinary Background, Plant Color, and Course Experiences on Plant Recall	Tajik, Farnaz Poster.pdf	
Shahzaib Tariq	Nicole Becker	How do Undergraduate Students Coordinate Graph Features with Energy Concepts in Phase Change?	Tariq, Shahzaib Poster.pdf	
Grace Tukurah		Science in the Natural Hair Community	Tukurah, Grace Poster.pdf	
Anuki Wethalawe	Ryan Bowen, Nicole M. Becker	Stability as a resource in student reasoning about chemical bonding	Wethalawe, Anuki Poster.pdf	
Andrea Wooley	Daryl McPadden	Reciprocal Partnerships for Change at an Accessibility Workshop	Wooley, Andrea Poster.pdf	
Mao-Ren Zeng	Kevin Haudek, Leonora Kaldaras, Joesph Krajcik	Exploring Object Detection Approaches to Analyze Students' Drawn Models	Zeng, Mao-Ren Poster.pdf	
