

MICROBREW SHARING SESSIONS

(Concurrent Sessions)

Room One: College STEM Learning

Time	Authors	Affiliation	Title
1:00	Diana Habel-Rodriquez	University of New Mexico	Student Experience Project: Collaborative Exam Wrappers
1:20	Diana Habel-Rodriquez	University of New Mexico	A pre-CURE Implementation in a large General Chemistry lecture course
1:40	Darrell Roe	Eastern New Mexico University	Techniques to Inspire Students to Critically analyze Academic Research Articles
2:00	Ramesh Chinnasamy	NMSU	Flipped class approach and collaborative in-class problem solving in organic chemistry and freshmen Chemistry classes
2:20	Piotr Filipczak	UNM-Valencia campus	Exploratory Research as an Effective Pedagogical Tool at Two-Year College Institutions: Reaching Learning Objectives for the Biotechnology Course via Class-embedded Cancer Project
2:40	Erika Acosta	NMSU	Whose Voices are most important yet least considered in STEM education

Room Two: K-8 STEM Learning

Time	Authors	Affiliation	Title
1:00	Mary Yalnaty	NMSU	Introduction of 3D Modeling and 3D Printing to Engage Students in Geometry
1:20	Paige Wheeler, Suparna Chatterjee	NMSU STEM Outreach Center	Engaging middle school students in STEM learning and experiences
1:40	Lisa Hufstedler, Wendi Miller-Tomlinson, Melody Hagaman	Las Cruces Public Schools	Integrating Agriculture, indigenous Culture, and Computer Science: Hands-On Learning for K-5 Educators
2:00	Johannes Addido from ENMU is unable to attend, use this time for discussion of the first three presentations or your group can continue with the next presentation.		
2:20	Suparna Chatterjee Melissa Warr	NMSU	Design Principles for PCK Development Using Large Language Models
2:40	Angela Owens Leanna Lucero Mariana Alvidrez	NMSU	Nurturing Critical Thinking in Young Learners: The Tiny Aggie Garden Project for Early Childhood and Social Justice in STEAM Education

Room Three: K-16 STEM Education

Time	Authors	Affiliation	Title
1:00	Jan Williams	Society of women Engineers	Can You Name a Woman Inventor?
1:20	Raena Cota, Adan Delval, Mari Langford, and CS students	NMSU	Enhancing Computational Thinking and Broadening Participation through Near Peer Mentoring in K-12 Education
1:40	Joshua Moon, Stephen Moreno, mshelby, Tyler Hoffman	NMSU	PSL's STEM Maverick program designed to integrate advanced STEM technologies (such as AI)
2:00	Paulo Oemig	NM Space Grant Consortium & NASA EPSCoR	Equity in the age of political uncertainty and common core state standards: A perspective from New Mexico
2:20	Kelly Sayanagi and Stephanie Bestelmeyer	Asombro Institute for Science Education	Connecting to Science through Place-Based Phenomena
2:40	Cassia (Sia) Templeton	Kansas State University (alum of NMSU!)	Mitigating Barriers to Learning by Centering Diverse Student Identities

Room Four: STEM Learning Networks & Engineering

Time	Authors	Affiliation	Title
1:00	Kersti Tyson Jan Williams, Monica Martinez-Archuleta	LANL Foundation	Join the Movement: Creating a STEM Innovation Network for NM
1:20	Kimberly Allen Scheerer	NM MESA	Science, Technology, Engineering, and Mathematics Project-based Learning Education: A NM Case Study for Equity and Inclusion
1:40	Mohammad Aliedeh	NMSU	Putting Transparent Thinking Approach Solution Factory into Production
2:00	Abdulmtalb Hussen, Mohamed Illafe, Abdelbaset Zeyani	Navajo Technical University	Fekete-Szego and Hankel Determinants for a Subclass of Bi-Univalent Functions Linked to Lucas-Balancing Polynomials
2:20	Rina Viramontes Mario Garcia	NMSU College of Engineering Outreach and Recruiting	BEST Robotics: Dynamic program that combines engineering principles with Teamwork and Creativity
2:40	Frannie Miller	NMSU	Youth Agri--Science Contest in New Mexico

Room Five: Computers & Technology STEM Education

Time	Authors	Affiliation	Title
1:00	David Rutledge Mandy Peel	NMSU	DIRECT (Designing Integrated Responsive Experiences in Computational Thinking?)
1:20	Melissa Warr, David Rutledge	NMSU	Stranger Skills for Using GenAI Pedagogical Role-Play
1:40	Nancy McIntyre	REC foundation	Inspiring students, One Robot at a Time
2:00	Elizabeth Knowles	New Mexico Tech	File System Manipulation – Updated Mental Model
2:20	Barbara Chamberlin and Ruth Castillo	NMSU	Two VR programs: Nutrition Counselor Beyond the Dunes: Discovering the hidden Microscopic World of White Sands National Park

Room Six: STEM/Math Education & Health

Time	Authors	Affiliation	Title
1:00	Armit Thapa	Eastern NMU	Why Do Students Dislike Mathematics?
1:25	Kersti Tyson	LANL foundation	Deepening Students' Mathematical Sense Making by Attending to Teachers' Pedagogical Listening
1:50	Mariana Alvidrez Laura Mendoza	UTEP and NMSU	Translanguaging in the Middle School Mathematics Classroom: Co-construyendo un Entendimiento Colectivo Usando los Errores como Learning Tools
2:15	Nikki Golly	Food Sensitivity & Constipation Nutritionist	Nourish to Flourish: Prioritizing Digestion and Self-Care for Educational Leaders