

Wednesday, March 19

8:00 AM-5:30 PM

Registration

124 Dining / Kick Off Coffee: 8:15-8:45 AM

9:00-10:00 AM

Room 101

General Session, Paper Award Presentation & Keynote: Computer (Science) for All: The Practice and Promise of Teaching With and About Technology

Author: Leiselot Declercq, d-teach training, d-teach online school, ICONS \par \par Biography: Lieselot Declercq is co-founder & director of d-teach online training, d-teach online school, ICONS (international community of online schools) & the international 'AI awards for education'. Lieselot has over 18 years of experience in various sectors of education. She holds a teacher's degree, a MSc in pedagogical sciences at Ghent University, a MSc in educational sciences at the Open University, certificates 'digital transformation' at Vlerick, 'international relations & diplomacy' at UA and 'Artificial Intelligence: Implications for business strategy' at MIT. She is industrial promotor for PhD-research and is PhD-student on 'AI: Virtual and human teachers for professional development" in collaboration with Ghent University and Microsoft. Lieselot is member of the board of Directors of Agoria Flanders, Patron of Europe101, Fellow of Belgium's 40 under 40 and Female Edtech Fellow Europe.

10:15-11:15 AM

Room 101 / Invited Panel (F2F) (1 hr)

EVAL **Publishing in JTATE (and Really Most Journals): the Inside Scoop** [65189]
Richard Hartshorne, University of Central Florida, USA

Room 103 / Symposium (F2F) (1 hr)

LEAD **Symposia of Systematic Literature Reviews on Technology Leadership in Education** [64334]

Yi Jin, Iowa State University, Ragia Hassan, Indiana University of Pennsylvania, Yao Fu, University of Wisconsin-Whitewater, Jennifer Qian, Louisiana State University, Jason Harron, Kennesaw State University, Nicole Mishnick, Tarleton State University, Keirah Comstock, University of Rochester, Tammy Fry Ware, MidAmerica Nazarene University, USA

Room 104 / Full Papers

CT **Enhancing Computational Thinking Through Cross-Age Peer Tutoring in Educational Robotics Activities** [64431]

Vaso Anastasiou, Yiota Diakou, Charoula Angeli, University of Cyprus, Cyprus

CT **The Intertwined Dance: Exploring the Relationship Between Computational and Mathematical Thinking** [64658]

Yasemin Gulbahar, Teachers College, Columbia University, USA; Filiz Kalelioglu, Baskent

University, Turkey

Room 105 / Full Papers

ID **Implementing Instructional Practices Using Research-Based Methods to Increase Student Engagement** [64468]

Pallavi Aggarwal, Taylor Mae Lawson-Smith, University of Missouri-Saint Louis, USA

ID **Supporting Students' Collaborative Reflection to Improve the Quality of Collaboration** [64510]

Kaisei Ishii, Takaki Kondo, Yuki Watanabe, Tokyo University of Science, Japan

Room 106 / Full Papers

EVAL **Perspectives of Preservice Portuguese Teachers on Technology Integration in Their Education Programs** [64558]

Ana Amélia Carvalho, Piedade V. Rebelo, Idalina L. Santos, University of Coimbra, Portugal

AWARD PAPER

TPACK **Uncovering Relations Between Self-Reported TPACK and Objective Measures: Accounting for Experience** [64357]

Eliana Brianza, University of Zurich, Switzerland; Mirjam Schmid, Australian Catholic University, Australia; Jo Tondeur, Vrije Universiteit Brussel, Belgium; Dominik Petko, University of Zurich, Switzerland

Room 107 / Brief Papers

GAI **AI As a Bridge? Preservice Teacher Perceptions on AI and Social Learning** [64231]

Qing Li, Emily Bailey, Ruddhi Wadadekar, Michael Levi, Towson University, USA

ID **Presenting Timing Effects of Graphic Organizer on Second Language Learners' Retention and Transfer** [64985]

Min Huang, Texas Tech University & Ahui Polytech University, Mayerly Cusson, Jongpil Cheon, Masoud Askarnia, TTU, USA

Room 108 / Full Papers

CSE **Preservice Teacher's Perceptions of CS Professionals** [64604]

Matthew Brown, Dilnoza Kadirova, Lin Chu, Sohheon Yang, Indiana University, USA

CSE **Using Formative Assessments to Examine Student Understanding of Middle School Algorithms and Programming Concepts** [64607]

Satabdi Basu, Hui Yang, Arif Rachmatullah, Carol Tate, SRI International, Daisy Rutstein, edCount, USA

Room 110 / Full Papers

SE **POGIL: an Experience in Teacher Education** [65028]

Sara Ferreira, Universidade de Brasília (UnB), Delano Moody Simões da Silva, Patricia Fernandes Lootens Machado, Universidade de Brasília (UnB), Brazil

SE **Leveraging Advanced Technology to Enhance the Impact of Course-Based**

Undergraduate Research Experiences (CUREs) [65088]

Surya Banerjee, Texas Tech University, USA

Room 111 / Full Papers

DE Understanding Chinese Students' Online Learning Experiences: a Rasch Model Approach [64423]

Xintian Tu, University at Buffalo, Xi Lin, East Caroline University, Lingfei Luan, Belmont University, USA

LEAD Creating Inclusive Language Education With Generative AI: a Systematic Review [64301]

Zhenjie Weng, Duke Kunshan University, China; Yao Fu, University of Wisconsin-Whitewater, USA

Room 206 / Roundtable (F2F) (1 hr)

GS Using Artificial Intelligence in Ethical Ways to Support Graduate Studies and Research [64455]

Shernette Dunn, Air University, USA

ASSESS Evaluating Preservice Teachers' Attitudes: a Content Analysis of AI Assessment Tools [64520]

Chia Jung Yeh, East Carolina University, Wei-Ying Hsiao, University of Alaska Anchorage, USA; Pei-Ying Lin, University of Saskatchewan, Canada; Mckenzie Meador, East Carolina University, USA

Room 205 / Full Papers

GAI Let's Talk About GenAI: an Essential Glossary for Educators [64279]

Todd Cherner, University of North Carolina at Chapel Hill, USA; Alison Egan, Marino Institute of Education, Ireland; Kathleen Howe, Emporia State University, Earlisha Whitfield, University of Central Florida, Catherine Guimaraes, Mursion, USA

STEM Transforming STEM Education Through Digital Twins [65082]

Nikhil Rao Pendyala, Opeyemi Ojajuni, Temitope Olokunde, Brian Warren, Deidre Street, Southern University and A&M College, USA

Room 209 / Symposium (F2F) (1 hr)

TLET Creative Applications in Generative AI: Applications in Educational Research & Practice [65052]

Janel White Taylor, Punya Mishra, Jennifer Werner, Tracy Arner, Janice Mak, Marissa Castellana, Carolina Torrejon Capurro, Ishrat Ahmed, Nicole Oster, Lindsey McCaleb, James Dunnigan, Catheryn Reardon, Arizona State University, USA

Room 207 / Full Papers

SE Holy Priceless Collection of Etruscan Snoods, Batman: a Thematic STEAM Challenge [64180]

Timothy Hinchman, Georgia Southern University, USA

TPACK Integrating Generative AI in Higher Education: a Survey Study on Teachers' Knowledge and Ethical Considerations [64480]

Haixia Liu, Grand Valley State University, USA

Room 213 / Roundtable (F2F) (1 hr)

SICET **AI-Applications in Language Teacher Education: Concurrent Research and Practice** [64538]

Rod Case, Leping Liu, University of Nevada, Reno, USA; Joseph Mintz, University College of London, United Kingdom

TLET **Empowering the Future: AI-Driven Social-Emotional Learning Through HarmonyAI** [64986]

Ryan McAlpine, Keri Ewart, Wilfrid Laurier University, Canada

GE **Designing Immersive Faculty Development: Strategies for Engaging and Empowering Educators** [65162]

Benjamin Deaton, Chad Treado, Anderson University, USA

TPP **A Collaborative, Stakeholder-Centered Approach to Low-Resistance Change Management in Migrating Two Learning Management Systems Simultaneously** [64408]

David del Pino, Fertitta College of Medicine, Colin Davis, University of Houston Fertitta Family College of Medicine, USA

Room 102R

Keynote Conversation with Leiselot Declercq

Room 101

Publishing in JTATE (and Really Most Journals): The Inside Scoop

11:30 AM-12:30 PM

Room 101 / Invited (F2F) (1 hr)

SICET **SICET @ SITE Spotlight: Learning Theories for the Age of AI** [65196]

David Gibson, Curtain Univ, USA

Room 103 / Symposium (F2F) (1 hr)

LEAD **Part 2: Symposia of Systematic Literature Reviews on Technology Leadership in Education** [65200]

Yi Jin, Iowa State University, Ragia Hassan, Indiana University of Pennsylvania, Yao Fu, University of Wisconsin-Whitewater, Jennifer Qian, Louisiana State University, Jason Harron, Kennesaw State University, Nicole Mishnick, Tarleton State University, Keirah Comstock, University of Rochester, Tammy Fry Ware, MidAmerica Nazarene University, USA

Room 104 / Best Practices (F2F)s

GS **Game-Based Learning in Teacher Education: Developing Creativity With Digital Escape Rooms** [64268]

Gina Solano, State University of New York - Oneonta, USA

CT **Analyzing Debugging Patterns Using an AI-Generated Debugging Framework in Block-Based Programming** [65104]

Masoud Askarnia, Jongpil Cheon, Afsaneh Abbaszadeh, Min Huang, Bhawana Thapa, Texas Tech University, USA

Room 105 / Best Practices (F2F)s

GAI **Empowering Future-Ready Educators: Teaching Preservice Teachers AI Prompt Engineering 101** [64300]

David Pratt, Jessica Ivy, Purdue University Northwest, Anna Wan, University of Southern Mississippi, USA

WE **Modeling Best Practices: Scaling Effective Course Design to Support Faculty and Enhance Student Success** [64237]

Brianne Jackson, Reynolds Community College, USA

GAI **AI Prompt Creation Bootcamp: Empowering Teachers With Strategies for Effective Usage of AI Tools.** [64464]

Daisyane Barreto, Amber Colon, Jeff Ertzberger, UNCW, USA

Room 106 / Brief Papers

ID **Leveraging Custom GPTs for Formative Assessment and Feedback** [64545]

Nari Kim, University of Wisconsin-Oshkosh, Jason Vickers, University at Albany, Shaimaa Alyehaibi, Towson University, Chikezie Ozuzu, Touro University, Xinyue Ren, Old Dominion University, Suhasini Kotcherlakota, University of Nebraska Medical Center, USA

ID **Designing for Impact: Enhancing K-12 Teacher Instructional Design Skills Through an Asynchronous Graduate Course** [64606]

Valerie Hartman, William Sadera, Towson University, USA

TLET **Engaging Parents in Classroom Experience Using Technology** [64547]

Melissa Thomeczek, Southern Illinois University, Lauren Heigert, Albert Cassens Elementary School, USA

Room 107 / Brief Papers

TLET **Elementary Preservice Teachers' Perspectives on AI in Elementary Education** [64321]

Alex Pan, The College of New Jersey, USA

TLET **Practical Wisdom in Action: Preservice Teachers' Use of AI for Instructional Planning** [64323]

Lucretia Fraga, University of the Incarnate Word, Janis Harmon, University of Texas at San Antonio, USA

TLET **Fun but Still Fuzzy: Understanding Shifts in Middle School Students' AI Literacy Development During an Informal STEM Camp** [64338]

Melanie Blanton, The Citadel, Zucker Family School of Education, Farhath Zareen, The Citadel, Swain Family School of Math and Science, Jennifer Albert, The Citadel, Zucker Family School of Education, USA

Room 108 / Full Papers

CREATE Ready Student One! Exploring How to Build a Successful Game-Based Higher Education Course in Virtual Reality [64054]

Robert Jesiolowski, Indiana Wesleyan University, USA

INTL Using AI to Support Reciprocal Innovation in the Kenyan and U.S. Educational Systems [65037]

N. Rich Nguyen, Janice Guo, Jo Watts, University of Virginia, Michael Searson, The Association for the Advancement of Computing in Education, USA

Room 110 / Best Practices (F2F)s

CSE Hands-on Robotics Modules for Teaching AI to K-12 Students [64238]

Yuhan Lin, Jason McKenna, VEX Robotics, USA

C3 Educating an Algorithmic World: Innovation, Ideologies and Curriculum Development [64575]

Subhasree Sengupta, Florida State University, USA

CSE Supporting Teachers' Professional Development in Data Science and Computing With a Co-Learning Approach: the PTTL Summer Teacher Training Intensives [64366]

Danna Dotson, Rukmini Manasa Avadhanam, Discovery Partners Institute, Jeremy Riel, University of Illinois Chicago, Ying Chen, Discovery Partners Institute, USA

Room 111 / Brief Papers

XR Mosaic: an Augmented Reality Application to Motivate University Students to Visit Galleries [64290]

Laura De Lora Leon, Alexander Martin, Kara Foster, Aaron Haber, Christopher Salazar Barrios, Monique Woodard, Wilkes University, USA

XR Immersive Education: Using Virtual Reality (VR) With Primary Sources to Learn History in Social Studies Methods Course. [64356]

James Oigara, SUNY Geneseo, USA

DE Giving Grace: a Humanistic Approach to Addressing Coursework in Asynchronous Agriculture Education Courses After Hurricane Helene [65006]

Dana Wise, NCA&T State University, Chastity English, North Carolina A&T State University, USA

Room 206 / Roundtable (F2F) (1 hr)

TIP Utilizing Artificial Intelligence in Teacher Education Programs to Foster Teacher Self-Efficacy [64591]

Pamela Jukes, Andrea Paganelli, Western Kentucky University, USA

TLET "Bridging Literacy and Coding: Integrating Sphero Robots to Inspire Future STEM Careers" [64227]

Angelia Reid-Griffin, Amelia Moody, UNCW/Watson College of Education, USA

Room 205 / Full Papers

EQ Exploring Big Data to Understand Socioeconomic, Academic, and Social

Factors Influencing College Enrollment [65114]

Hansika Yerramsetti, West Minister High School, Rana Kalayci, Fulton Science Academy, Tsion Fitsum, Nouf Al Soghyar, Tuba Ketenci, Georgia Institute of Technology, USA

GE **Leveraging Data to Enhance Teacher Education: a Pathway to Improve Outcomes** [65193]

Orin Smith, Richard Hartshorne, University of Central Florida, USA

Room 209 / Symposium (F2F) (1 hr)

GE **Creative Applications in Generative AI: Applications in Educational Research & Practice** [65204]

Janel White Taylor, Punya Mishra, Jennifer Werner, Tracy Arner, Janice Mak, Marissa Castellana, Carolina Torrejon Capurro, Ishrat Ahmed, Nicole Oster, Lindsey McCaleb, James Dunnigan, Catheryn Reardon, Arizona State University, USA

Room 207 / Best Practices (F2F)s

DE **Computer Science for Middle School (CS4MS)** [64050]

Melani Loney, Lisa Steffian, The Center for Educational Partnerships, Old Dominion University, USA

DE **Fostering Human Connections in Online Learning** [64249]

Jana Gerard, Southeast Missouri State University, Trudy Giasi, Valle Catholic Schools, USA

DE **Implementing the Col Framework in Online Courses: a Showcase at a University in Iowa** [64252]

Dan Dao, Mark Anthony, Kara Kehe, The University of Iowa, USA

Room 208 / Panel (F2F) (1 hr)

C3 **For a Time Such As This Panel Discussion** [65223]

Kristin Hemingway, Georgia State University, USA

Room 213 / Roundtable (F2F) (1 hr)

TPACK **Elementary Preservice Teachers' TPACK Development: Integrating Coding Technologies in Mathematics Lesson Planning** [64600]

Allison Roxburgh, Idaho State University, USA

TLET **Teaching With Digital Equity, Student Voice and Joy** [65049]

Mallory Morris, Nicole Adell, Digital Promise Global, Jennifer Park, Atlanta Public Schools - Jean Childs Young Middle School, USA

GAI **Exploring Microgenetic Regression Among Teacher Candidates Using Generative AI Large Language Models for Key Assignments: a Circular Hermeneutic Phenomenological Qualitative Inquiry** [64867]

Rebecca Blankenship, Florida Agricultural and Mechanical University, USA

GE **Enhancing Student Learning and Faculty Development: Best Practices and Lessons Learned** [65108]

Jessica Fuda Daddio, Keiser University, USA

Room 101

SICET @ SITE Spotlight Talk: SICET @ SITE Spotlight: Learning Theories for the Age of AI

124 Dining / Lunch Break: 12:30-1:45 PM

12:45-1:45 PM

Room 103

Critical Theory in Teaching and Technology (TEC) SIG Meeting

Room 104

Games & Simulations (ITC) SIG Meeting

Room 105

Information Literacy Education (Library Sci.) (TEC) SIG Meeting

Room 106

Instructional Design (ITC) SIG Meeting

Room 107

International Perspectives (TEC) SIG Meeting

Room 108 / **K-12 Online Learning (ITC) SIG Meeting**

Room 110

Maker (TEC) SIG Meeting

Room 111

Mathematics Education (TEC) SIG Meeting

Room 206

New Possibilities with Information Technologies (ITC) SIG Meeting

Room 205

Research & Evaluation (ITC) SIG Meeting

Room 207

Science Education (TEC) SIG

Room 208

STEM Innovation (ITC) SIG Meeting

1:45-4:00 PM

Room 209

65032: Unleashing the Power of GenAI in Education: A Faculty Workshop [65032]
Janel White Taylor, Arizona State University, Jennifer Werner, Arizona State University, Tracy Arner, Samantha Clark, Arizona State University, USA

1:45-2:45 PM

Room 101 / Panel (F2F) (1 hr)

GE **Introducing the Journal of AI Enhanced Learning (AIEL)** [65180]
Mike Searson, AACE, USA

Room 103 / Full Papers

LEAD **A Systematic Literature Review on PK-12 Administrators' Technology Leadership** [64349]
Yi Jin, Iowa State University, Nicole Mishnick, Tarleton State University, Jean Kiekel, University of St. Thomas Houston, USA

LEAD **Digital Tools Adoption in Higher Education in Uganda: a Comparative Analysis of Top-Bottom Vs. Bottom-Up Approaches Post Covid** [64481]
Sandra Nabulega, Arizona State University, USA

Room 104 / Full Papers

TPP **Future Workshops As a Tool for the Democratization of Higher Education Technology Policy Formation: a Case Study** [64458]
Hanna Teräs, Tampere University of Applied Sciences, Marko Teräs, Juha Suoranta, Tampere University, Finland

STEM **Research Experience for Teachers in the Interdisciplinary AI - Report From the Summer AI Research Experience 2024** [65064]
Amy Eguchi, University of California, San Diego, Garrison Cottrell, Taylor Berg-Kirkpatrick, Virginia de Sa, University of California San Diego, USA

Room 105 / Brief Papers

GAI **Do AI-Generated Lesson Plans Have a Place in Civics Classrooms?** [64298]
Torrey Trust, Chenyang Xu, Robert Maloy, University of Massachusetts Amherst, USA

GAI **Evaluating Students' Use of Artificial Intelligence in Online Learning Activities: Insights From Faculty and Instructional Designers** [64424]
Dan Dao, Evans Ochola, The University of Iowa, USA

GAI **AI Generated 5E Lesson Plans Versus 5E Preservice Teacher Created Lesson Plans** [64477]

Moira Baldwin, Shahrzad (Sherry) Vafa, University of Houston - Victoria, USA

Room 106 / Full Papers

CREATE **Diffusing Innovation in K-12 Education: a Comparative Study of Popular EdTech Tools** [64529]

Curby Alexander, Texas Christian University, USA

CREATE **Revamping Pedagogy in an Innovative Learning Environment: How Collaboration, Trust, and Confidence Can Pave a Systemic Path Forward** [64544]

Mireille Bertin-Post, Viktor Freiman, Mario Chiasson, Université de Moncton, Canada

Room 107 / Full Papers

TLET **AI-Integrated Design for Educators (AIDE): Teaching & Learning With a Smart, Drunk, Biased, & Supremely Confident Intern** [64532]

Lindsey McCaleb, Punya Mishra, Nicole Oster, Arizona State University, Melissa Warr, New Mexico State University, USA

SE **Examining Targeted Interventions on Elementary Preservice Teachers' Perception of Scientists** [64168]

Timothy Hinchman, Georgia Southern University, USA

Room 108 / Brief Papers

NPI **Competency-Based Architecture for Aligning Computer Science Education With Industry Demands Using the E-CF Framework** [64348]

Pavlo Sapronov, National Technical University «Kharkiv Polytechnic Institute», Ukraine; Volodymyr Sokol, RWTH Aachen University, Germany

TLET **Investigating Preservice Teachers' Unit Plan Development With AI Through Activity Theory** [64615]

Wen Wen, SUNY Oneonta, Huijing Wen, Moravian University, USA

Room 110 / Brief Papers

TLET **Teaching Online: a Qualitative Exploration of Faculty Wellbeing and the Injustices They Experience in Synchronous, Asynchronous, and Hybrid Courses** [64345]

Emmanuella Musiime, Indiana University of Pennsylvania, Crystal Machado, Indiana university of PENNSYLVANIA, USA

TLET **Ethical AI in Teacher Preparation: Exploring Mindsets to Transform Practice** [64346]

Joseph Rene Corbeil, Leticia Deleon, Maria Elena Corbeil, University of Texas Rio Grande Valley, USA

Room 111 / Best Practices (F2F)s

GE **Exploring Undergraduate Digital Habits: Social Media, Emerging Technologies, and AI in Higher Education** [65133]

James Hatten, University of South Florida, USA

GAI **Leveraging AI in the Development of Preservice Teacher Candidates' Pedagogical Content Knowledge** [65051]
Peter Adamy, Nicole Hersey-Bertram, Alyson Jantzen, University of Rhode Island, USA

WE **Learning Management Systems in the Workplace: a Systematic Literature Review** [65110]
Martha Ducharme, Central Michigan University - Mount Pleasant, MI, Tiana Royal, Jennifer Weible, Central Michigan University, USA

Room 206 / Roundtable (F2F) (1 hr)

TLET **Generative Artificial Intelligence and Teacher Preparation: Harnessing Tools to Enhance Teaching** [64241]
Cynthia Schairer-Kessler, Linda Gray Smith, Travis Dimmitt, Alexia Bowyer, Northwest Missouri State University, USA

TPP **Developing Effective AI Policies in Higher Education** [64655]
Wei-Ying Hsiao, University of Alaska Anchorage, Chia Jung Yeh, East Carolina University, Adriano Cavalcanti, St. Cloud State University, USA; Chiung-Hui Chiu, National Taiwan Normal University, Taiwan

Room 205 / Panel (F2F) (1 hr)

GAI **Assessing Perceptions of AI in Education** [65048]
Gerald Knezek, Shadarra James, Gloria Avalos, Deborah Cockerham, Shay Carter, Ian Taylor Schlitz, University of North Texas, USA

GAI **Generative AI or Human Writing: Can We Tell the Difference?** [65192]
Gloria James Avalos, University of North Texas; Ysleta Independent School District, Deborah Cockerham, Orhan Curaoglu, University of North Texas, USA

Room 209 / Workshop (F2F)s

TLET **Unleashing the Power of GenAI in Education: a Faculty Workshop** [65032]
Janel White Taylor, Arizona State University, Jennifer Werner, Arizona State University, Tracy Arner, Samantha Clark, Arizona State University, USA

Room 208 / Corporate Demo / Literatures

1 **Keenious: an AI Research Recommendation Tool** [64451]
Christian Headley, Keenious, Ireland; Jesper Solheim Johansen, Anders Rapp, Keenious, Norway

Room 213 / Roundtable (F2F) (1 hr)

GAI **Chatbots Were So Last Year: Welcome to the Age of AI Agents! #ThingsThatWontAgeWell** [64961]
Todd Cherner, Harshvardhan Upadhyaya, University of North Carolina - CH, USA

DE **Supporting Student Success and Wellbeing Through Racially Just Online Learning** [64624]
Nandita Gurjar, Rhode Island College, USA

SICET Embodiment in Immersive STEM Learning: Analyzing Student Movement, Area of Focus, and Content Creation in Virtual Reality [65174]

Xiaojun Chen, St. John's University, Wei Wu, Amanda Klassen, California State University, Fresno, USA

TLET Generative AI Jenga- Using Generative AI for Curriculum Building Among Preservice Teachers [64626]

Megan Wereley, Matthew Broda, Ryan Ozar, College of Wooster, USA

Room 207

SICET @ SITE Meeting

124 Dining / Afternoon Pick-Me-Up: 2:45-3:00 PM

3:00-4:00 PM

Room 101 / Full Papers

ME Exploring Preservice Teachers' Adaptations of ChatGPT Created Mathematics Curricula: Discovering Overconfidence [64887]

Amanda Sawyer, Marcus Wolfe, James Madison University, USA

SE ASTE NTLI: Designing and Refining Professional Learning to Empower Early Childhood Educators in Science and Engineering Practices Through Play-Based Learning [64984]

Hildah Makori, Bowdoin College, Lisa Kenyon, Maine Mathematics and Science Association, Alison Miller, Bowdoin College, USA

Room 103 / Panel (F2F) (1 hr)

GE From Doctoral Student to Emeritus: the Career Trajectory of Educational Technology Faculty [64353]

Amanda Hurlbut, Texas Woman's University, Teresa Foulger, Arizona State University, Todd Cherner, University of North Carolina at Chapel Hill, USA

Room 104 / Best Practices (F2F)s

GE Bridging Constructivism and Connectivism: a Path to Future Learning [64207]

Wendy Cowan, Bridgette Walker, Athens State University, USA

TPP When AI and Copyright Collide, What's an Educator to Do? [64403]

Joyce P Johnston, George Mason University, USA

GE Cultivating Success: Top Tips for E-Mentoring Relationships That Thrive [64036]

Shannon Melideo, Jennifer Scully, Marymount University, USA

Room 105 / Brief Papers

XR Exploring the Use of Virtual Reality As a Learning Tool for Classroom Instruction [64193]

James Oigara, State University of New York - Geneseo (SUNY), USA

WE **Burlington English: Bridging Digital Literacy and Language Learning** [64638]
Maria Soto, Florida Atlantic University, USA

GAI **Virtual, Augmented Reality in Teacher Education: a New Reality for Social Learning?** [64230]
Qing Li, Ruddhi Wadadekar, Emily Bailey, Michael Levi, Towson University, USA

Room 106 / Brief Papers

ASSESS **Learner at Crossroads: Data for Automation, Autonomy for Learning**
[64659]
Yasemin Gulbahar, Teachers College, Columbia University, USA

TIP **Building Digital Foundations: a Model for Computing and Digital Literacies in Teacher Preparation** [65178]
Kenny Hirschmann, Rhonda Bondie, Kiersten Greene, CUNY Hunter College, USA

ID **Exploring New Roles and Possibilities in Instructional Design: Insights From Generative AI Support in an Instructional Design Project** [64957]
Melis Dilek, Divya Darshni Suresh, Evrim Baran, Aliye Karabulut-Ilgu, Michael J Kimber, Iowa State University, USA

Room 107 / Best Practices (F2F)s

TLET **TechBuddies: Students Mentoring Students to Develop Digital Literacy** [64359]
Nancy Luke, Amanda Chapman, Western Carolina University, USA

TLET **Diffusing the AI Debate: a Strategy to Navigate Diverse Perspectives on Artificial Intelligence in Education With Preservice Teachers** [64364]
Evi Wusk, Peru State College, USA

TLET **Beyond FlipGrid: Exploring Dynamic Alternatives for Video Engagement in Asynchronous Learning** [64487]
Suzanne Porath, Kansas State University, USA

Room 108 / Brief Papers

CSE **Integrating Micro:Bits for Cross-Disciplinary Computer Science Instruction: a Virtual Collaborative Model for STEM and Beyond** [64416]
Mike Borowczak, Andrea Borowczak, University of Central Florida, USA

GAI **Generative AI for Rapid Prototyping to Produce, Evaluate, and Revise Educational Media** [64526]
Scott Warren, Ian Taylor Schlitz, University of North Texas, Andrij Holian, University of Montana, Paulette Jones, Meadowlark Science and Education, LLC and University of Montana, Garion Holian, Meadowlark Sciecn and Education, LLC, Ava Orr, Meadowlark Science and Education, LLC, Becky Burg, Meadowlark Sciecn and Education, LLC, USA

CSE **Designing Innovative Computing Education Learning Modules for Early Childhood Preservice Teachers** [64454]
Chia Jung Yeh, East Carolina University, Yin-Chan (Janet) Liao, Georgia State University, Mekenzie Meador, East Carolina University, Wei-Ying Hsiao, University of Alaska Anchorage, USA

Room 110 / Brief Papers

CREATE **Connecting Math to Real Life: Teachers' Perspectives and Imagined Possibilities** [64012]

Gil Schwarts, Weizmann institute of science, Lilach Alon, Tel-Hai Academic College, Soryna Sabbah, Technion - Israel Institute of Technology, Israel

LEAD **Technology Leadership in Teacher Education: a Systematic Review** [64910]

Ragia Hassan, Indiana University of Pennsylvania, Yao Fu, University of Wisconsin-Whitewater, Tammy Fry Ware, MidAmerica Nazarene University, USA

Room 111 / Symposium (F2F) (1 hr)

GAI **Implications of AI in K-12 and Higher Education** [64640]

Rashmi Khazanchi, Open University of the Netherlands/CCSD, Pankaj Khazanchi, Liberty University/Cobb County School District, Melissa Warr, New Mexico State University, Punya Mishra, Arizona State University, Rebecca Blankenship, Florida Agricultural and Mechanical University, Lorraine Jacques, University of Tampa, Jennifer Petit, Kent State University, USA

TPACK **Reimagining AI in Education: Constructivist, TPACK, and Posthumanist Perspectives** [64996]

Jennifer Petit, Kent State University, USA

GAI **AI As a Supplement, Not a Replacement: Benefits and Boundaries in K-12 Education** [65137]

Rashmi Khazanchi, Open University of the Netherlands/ Cobb County School District, Pankaj Khazanchi, Liberty University/ Cobb County school District, USA

Room 206 / Roundtable (F2F) (1 hr)

GAI **Role of the Stakeholders in Improving AI Competencies in K-12 Classroom** [65109]

Pankaj Khazanchi, Liberty University/Cobb County School District, Rashmi Khazanchi, Open University of the Netherlands/ Cobb County School District, USA

GAI **AI Tools for Accessible Course Design: Faculty Perceptions, Implementation, and Ethics** [65125]

Huanjiao Dong, Yi Jin, Iowa State University, USA

Room 205 / Full Papers

CREATE **Navigating Rapid Technological Change in Education: an Affordance-Based Approach for Educators** [64885]

Edwin Creely, Monash University, Australia; Danah Henriksen, Arizona State University, USA

WE **Information Technology and Vocational Education: Advances and Challenges in Curriculum Implementation in Brazil** [65132]

Flavio Campos, Mercer University, USA

Room 207 / Best Practices (F2F)s

TPP **Best Practices in Technology Policy During the Age of the Digital Divide** [64863]

Samantha Lopez, Florida Atlantic University, USA

TLET **Exploring the Usability of Artificial Intelligence** [63949]
Jonathan Adams, Florida State University, USA

GAI **Acceptability of AI in Higher Education: What's Important?** [65020]
Jonathan Adams, Ben Ravuri, Willa Gutowski, Florida State University, USA

Room 213 / Roundtable (F2F) (1 hr)

WE **An MTSS Professional Development Framework Incorporating Technology**
[64586]
Marissa Rakos, Stephanie Meza, University of Las Vegas, Nevada, USA

TLET **AI and Minecraft Curriculum for Middle School Students to Learn AI and CT Concepts** [65161]
Nancy Ruzycki, University of Florida, USA

GAI **Empowering Preservice Teachers: Humanities Perspectives on AI Integration in Schools** [65015]
Miri Kim, Metropolitan State University of Denver, Allison Chung, Valor Christian High School, Hsin-Te Yeh, Metropolitan State University of Denver, USA

TLET **Breaking Language Barriers in Education: Faculty Development in Effective Machine Translation** [64270]
Pamela Doran, SUNY Empire State University, USA

4:15-5:15 PM

Room 101 / Full Papers

Learning From Secondary Blended Teaching Practitioners: Selecting Activities and Connecting in-Person and Online Learning [65230]
Michelle Jensen, Alpine School District, USA

Room 103 / Panel (F2F) (1 hr)

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Room 104 / Full Papers

MAKE **Integrating Justice-Centered Making into STEM Teacher Preparation: a Literature Review** [64316]
Sarah Mamaril, Kimberly Corum, Towson University - Towson, MD, USA

MAKE **Mobile Making: Enhancing Teacher Preparedness for STEM and Maker Education** [64594]
Sinem Siyahhan, California State University San Marcos, James Marshall, San Diego State University, Edward Price, California State University San Marcos, Alexandria Hansen, Myunghwan Shin,

Fresno State University, Jessica Jensen, Jasmine McBeath, California Polytechnic State University, San Luis Obispo, James Kiesel, California State University Long Beach, USA

Room 105 / Full Papers

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Yi Jin, Iowa State University, Kimberly Gile, Fayette County School System, USA

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Soya Miki, Shota Higuchi, Yuki Watanabe, Department of Mathematics and Science Education, Graduate School of Science, Japan

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Ezequiel Aleman, Universidad Tecnológica, Uruguay; Ricardo Martinez, Pennsylvania State University, Anasilvia Salazar, Iowa State University, USA

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Lauren Weisberg, University of Florida, USA

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Ya-Ting Yang, Institute of Education
, National Cheng Kung University, Jeen-Shing Wang, Department of Electrical Engineering, National Cheng Kung University, Taiwan

31 **Merging Sport Science and Bilingual Education: a Quasi-Experimental Study on AI-Supported Badminton Instruction** [64924]

Ya-Ting Yang, Hsiao-Hsuan Chang, Institute of Education
, National Cheng Kung University, Taiwan, Jeen-Shing Wang, Department of Electrical Engineering, National Cheng Kung University, Taiwan, Taiwan

32 **Systematic Literature Review of XR-Based Simulations for Collaborative Learning** [64971]

Seonyul Lee, Eunbyul Yang, Daeun Kim, Jeeheon Ryu, Chonnam National University, Korea (South)

33 **Designing XR-Based Training for Construction Safety Using Embodied Learning** [65013]

Huiryeong Kang, Seonyul Lee, Seungho Choe, Doeun Choi, Jeeheon Ryu, Chonnam National

University, Korea (South)

- 34 **A Case Study on How Parents Support Their Children's English Readiness Development Using Digital Resources** [65024]
Xiaojiao Sun, Sanghoon Park, University of South Florida, USA
- 35 **Unpacking the Competency-Enhancing Promises of Generative AI Tools in Mathematics Education for Grades 6-12** [65038]
Zulal Melek, Denise Schmidt-Crawford, Iowa State University, USA
- 36 **Integrating Mixed-Reality Simulation in Special Education Teacher Preparation: a Design-Based Research Approach** [65058]
Sarah Lent, Jessica Tierney, Simulation Lab at Wisconsin Center for Education Research, USA
- 37 **Evaluating Generative AI in Qualitative Research: a Comparative Analysis of LLMs in Educational Data Interpretation** [65079]
Azadeh Hassani, Guy Trainin, University of Nebraska Lincoln, USA
- 38 **Exploring Study Duration Virtually Calculated From LMS Access Logs in Large-Scale ICT Literacy Classes Incorporating Aspects of Personalized System of Instruction Model** [65081]
Shin-Ichiro Kubota, Kumamoto University, Yusei Suzuki, Oita University, Japan; Ryuichi Matsuba, Fukuyama Heisei University, Jersey
- 39 **Flow in Making-to-Learn: Exploration of Online Learners' Flow Experience in 3D Making Projects** [65092]
Ye Chen, Li Cao, Yinning Zhang, University of West Georgia, USA
- 40 **The Impact of Large Language Models on English Language Learners** [65102]
Zixian Jiang, University of North Carolina at Chapel Hill, USA
- 41 **The Role of Instructional Design Theories in Teaching Practice** [65111]
Kento Nakamura, Shimane University, Tokyo University of Science, Tadashi Misono, Shimane University, Yuki Watanabe, Tokyo University of Science, Japan
- 42 **Development of a Multimodal Sentiment and Emotion Analysis Model** [65123]
Vamsi Ravi, Suparna Chatterjee, New Mexico State University, USA
- 43 **VR Speculative Design: Vocabulary in Wonderland** [65130]
Fateme Ashrafabadi, Guy Trainin, University of Nebraska Lincoln, USA
- 44 **Elementary Educators' Perceptions of Using MagicSchool AI to Generate Instructional Materials** [65131]
Kristen Gregory, Xi Lin, Ken Luterbach, Sarah Sconyers, East Carolina University, USA
- 45 **LLM-Powered Chatbot for Open Educational Resources Discovery** [65147]
Xin Huang, Department of Computer and Information Sciences, Towson University, USA
- 46 **STEM Engagement for Preservice Teachers: Perceptions of the 2024 Total Solar Eclipse** [65170]
Gerald Knezek, University of North Texas, Lauren Eutsler, Samantha Norton, Samson den Lepcha, Alex Matthews, Monica Blomker, University of North Texas, USA

47 **Developing a TPACK-Based Toolkit to Support the Implementation of Situated Teacher Competences Associated With Digital Education** [65176]

Carmen Miles, De Montfort University, United Kingdom

48 **Inquiry-Based Learning: a Pathway to Develop Science Process Skills** [65177]

Surya Banerjee, Texas Tech University, Suparna Chatterjee, New Mexico State University, USA

49 **Hexagonal Thinking With Preservice Teachers: Combining UDL, ISTE, and TPACK to Promote Learning in a Museum Context** [64009]

Rachel Terlop, Jordan Holub, Simpson College, Leslie La Croix, George Mason University, USA

50 **AI-Enhanced Creativity in Preservice Teacher Education: Fostering Inclusivity and Diversity Through Children's Book Projects** [64236]

Rachel Terlop, Jordan Holub, Simpson College, USA

51 **Keenious: Supporting Discovery and Learning Through Recommendation Technology** [64450]

Christian Headley Headley, Keenious, Ireland; Jesper Solheim Johansen, Anders Rapp, Keenious, Norway

52 **XR-LEADS: AI-Powered Real-Time Learning Analytics for XR Training** [65035]

Jeeheon Ryu, Kukhyeon Kim, Chonnam National University, Eunbyul Yang, Jeju National University, Jong-Bae Lee, Beom-Ryeol Lee, Wookho Son, Electronics and Telecommunications Research Institute, Korea (South)

Room 206

Culture & Climate Committee Meeting

5:00-6:30 PM

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National Cheng Kung University, Taiwan

31 **Merging Sport Science and Bilingual Education: a Quasi-Experimental Study on AI-Supported Badminton Instruction** [64924]

Ya-Ting Yang, Hsiao-Hsuan Chang, Institute of Education
, National Cheng Kung University, Taiwan, Jeen-Shing Wang, Department of Electrical Engineering,
National Cheng Kung University, Taiwan, Taiwan

32 **Systematic Literature Review of XR-Based Simulations for Collaborative Learning** [64971]

Seonyul Lee, Eunbyul Yang, Daeun Kim, Jeeheon Ryu, Chonnam National University, Korea (South)

33 **Designing XR-Based Training for Construction Safety Using Embodied Learning**

[65013]

Huiyeong Kang, Seonyul Lee, Seungho Choe, Doeun Choi, Jeeheon Ryu, Chonnam National University, Korea (South)

34 **A Case Study on How Parents Support Their Children's English Readiness Development Using Digital Resources** [65024]

Xiaojiao Sun, Sanghoon Park, University of South Florida, USA

35 **Unpacking the Competency-Enhancing Promises of Generative AI Tools in Mathematics Education for Grades 6-12** [65038]

Zulal Melek, Denise Schmidt-Crawford, Iowa State University, USA

36 **Integrating Mixed-Reality Simulation in Special Education Teacher Preparation: a Design-Based Research Approach** [65058]

Sarah Lent, Jessica Tierney, Simulation Lab at Wisconsin Center for Education Research, USA

37 **Evaluating Generative AI in Qualitative Research: a Comparative Analysis of LLMs in Educational Data Interpretation** [65079]

Azadeh Hassani, Guy Trainin, University of Nebraska Lincoln, USA

38 **Exploring Study Duration Virtually Calculated From LMS Access Logs in Large-Scale ICT Literacy Classes Incorporating Aspects of Personalized System of Instruction Model** [65081]

Shin-Ichiro Kubota, Kumamoto University, Yusei Suzuki, Oita University, Japan; Ryuichi Matsuba, Fukuyama Heisei University, Jersey

39 **Flow in Making-to-Learn: Exploration of Online Learners' Flow Experience in 3D Making Projects** [65092]

Ye Chen, Li Cao, Yinning Zhang, University of West Georgia, USA

40 **The Impact of Large Language Models on English Language Learners** [65102]

Zixian Jiang, University of North Carolina at Chapel Hill, USA

41 **The Role of Instructional Design Theories in Teaching Practice** [65111]

Kento Nakamura, Shimane University, Tokyo University of Science, Tadashi Misono, Shimane University, Yuki Watanabe, Tokyo University of Science, Japan

42 **Development of a Multimodal Sentiment and Emotion Analysis Model** [65123]

Vamsi Ravi, Suparna Chatterjee, New Mexico State University, USA

43 **VR Speculative Design: Vocabulary in Wonderland** [65130]

Fatemeh Ashrafabadi, Guy Trainin, University of Nebraska Lincoln, USA

44 **Elementary Educators' Perceptions of Using MagicSchool AI to Generate Instructional Materials** [65131]

Kristen Gregory, Xi Lin, Ken Luterbach, Sarah Sconyers, East Carolina University, USA

45 **LLM-Powered Chatbot for Open Educational Resources Discovery** [65147]

Xin Huang, Department of Computer and Information Sciences, Towson University, USA

46 **STEM Engagement for Preservice Teachers: Perceptions of the 2024 Total Solar Eclipse** [65170]

Gerald Knezek, University of North Texas, Lauren Eutsler, Samantha Norton, Samson den

Lepcha, Alex Matthews, Monica Blomker, University of North Texas, USA

47 **Developing a TPACK-Based Toolkit to Support the Implementation of Situated Teacher Competences Associated With Digital Education** [65176]

Carmen Miles, De Montfort University, United Kingdom

48 **Inquiry-Based Learning: a Pathway to Develop Science Process Skills** [65177]

Surya Banerjee, Texas Tech University, Suparna Chatterjee, New Mexico State University, USA

49 **Hexagonal Thinking With Preservice Teachers: Combining UDL, ISTE, and TPACK to Promote Learning in a Museum Context** [64009]

Rachel Terlop, Jordan Holub, Simpson College, Leslie La Croix, George Mason University, USA

50 **AI-Enhanced Creativity in Preservice Teacher Education: Fostering Inclusivity and Diversity Through Children's Book Projects** [64236]

Rachel Terlop, Jordan Holub, Simpson College, USA

51 **Keenious: Supporting Discovery and Learning Through Recommendation Technology** [64450]

Christian Headley Headley, Keenious, Ireland; Jesper Solheim Johansen, Anders Rapp, Keenious, Norway

52 **XR-LEADS: AI-Powered Real-Time Learning Analytics for XR Training** [65035]

Jeeheon Ryu, Kukhyeon Kim, Chonnam National University, Eunbyul Yang, Jeju National University, Jong-Bae Lee, Beom-Ryeol Lee, Wookho Son, Electronics and Telecommunications Research Institute, Korea (South)

6:30-10:00 PM

Pub C.R.A.W.L. (Pursue Unknown Boundaries and Create Really Awesome Wonderful Leaders)

Thursday, March 20

8:00 AM-5:00 PM

Registration

124 Dining / Kick off Coffee: 8:30-9:00 AM

9:00-10:00 AM

Room 101

General Session, Poster Award Presentations & Keynote: Creating Lifelong Learners in an Innovative World

Creating Lifelong Learners in an Innovative World

Author: Leigh Ann DeLyser, Executive Director, CSForAll, United States.

Abstract: Teachers are challenged every day with preparing the next generation of citizens, workers, scientists, entrepreneurs, and leaders. While we always anticipated a changing world, in today's age of leaping technological advancements, how do we think about the fundamental skills needed for the educators of the next generation (which includes some educators). In this interactive session, Dr. DeLyser will discuss some of the lessons learned from CSforALL, co-construct some of the future-ready skills needed to create lifelong learning educators, and

consider what kinds of research we should be doing to best understand what success means in this endeavor.

Biography: Dr. Leigh Ann DeLyser has spent her career building the K-12 computer science (CS) field. As the Executive Director of CSforALL (csforall.org), she oversees programs and strategic planning and supervises research to build support for high quality CS education at all levels. A former high school and university CS educator, Leigh Ann understands challenges faced by teachers, administrators, and students developing their competency in the field and accessing high-quality learning opportunities and resources. Her influential “Running on Empty” report guides policies and research that support high-quality program implementation. Previously, Leigh Ann was Director of Research and Education at CSNYC, which built a foundation for CS in New York City public schools. She received a PhD in Computer Science and Cognitive Psychology, with a focus on CS education, from Carnegie Mellon University.

Dr. DeLyser also serves on the ACM Education Advisory Committee. Her personal research focuses on systems change, building off her PhD studies in how feedback impacts behavior of learners, and thinking critically how we create feedback structures within our multi-tiered educational systems to incentivize and reinforce high quality and equitable CS education. Dr. DeLyser has written extensively about the CSforALL community, commitments, and strategic planning with local education leaders through the SCRIPT program. She enjoys questioning our explicit commitment to equity, the need to disaggregate data and consider intersectionality, and using mixed methods with rigorous statistical approaches to understand impact of our collective community efforts.

10:00 AM-12:30 PM

Room 209

64665: Empowering Educators with Generative AI: Search for Effective, Efficient and Ethical Use [64665]
Olgun Sadik, Indiana University, Intelligent Systems Engineering, USA

10:15-11:15 AM

Room 101 / Panel (F2F) (1 hr)

STEM **Global Perspectives on Preparing Teachers for STEM Education** [65205]
Lucas Vasconcelos, University of South Carolina, USA

STEM **Innovative Helio-STELLA Spectrometer Kit for STEM Education** [64393]
Patrick Haas, Heliophysics Science Division, NASA's Goddard Space Flight Center, Paul Mirel, Hexagon US Federal, Chantilly, VA, Gerald Knezek, Department of Learning Technologies, University of North Texas, Rhonda Christensen, Institute for the Integration of Technology into Teaching and Learning, University of North Texas, Rohan Paul Potnuru, University of North Texas, Elana Resnick, ASRC Federal System Solutions, Beltsville, Maryland, Michael Taylor, Science Systems and Applications, Inc., Lanham, Maryland, Carolyn Ng, ADNET Systems, Inc., USA

STEM **Artificial Intelligence Literacy and STEAM Education: a Framework for EFL Preservice Teacher Preparation** [65054]
Lucas Vasconcelos, University of South Carolina, USA; José Aires de Castro Filho, Federal University of Ceará, Brazil; Daisiane Barreto, University of North Carolina Wilmington, USA; Juscileide Castro, Maria de Fátima Souza, Lidia Cardoso, Federal University of Ceará, Dennys Maia, Federal University of Rio Grande do Norte, Brazil

Room 103 / Symposium (F2F) (1 hr)

TLET **Research Highlights in Technology and Teacher Education (RHTTE) 35th Anniversary Edition - a Symposium Sharing the Advancing and Innovative Research of Emerging Scholars** [64201]

Rebecca Blankenship, Florida Agricultural and Mechanical University, Melissa War, New Mexico State University, Lucas Vasconcelos, University of South Carolina, USA; Laura Morrison, Ontario Tech University, Canada; Suparna Chatterjee, Amanda Peel, New Mexico State University, Luke Zeigler, University of West Georgia, Gina Solano, SUNY Oneonta, Ambie Watson, Valdosta State University, USA

SE **Integrating Computational Thinking into Preservice Science and Math Education** [65077]

Amanda Peel, New Mexico State University, USA

XR **Integrating XR into Teacher Education: Enhancing Learning With Immersive Tools Like ThingLink** [64991]

Gina Solano, SUNY Oneonta, USA

GAI **Challenging AI Bias Through Critical Pedagogy** [65194]

Melissa Warr, New Mexico State University, USA

TLET **An Approach Leveraging LLMs in Supporting PCK Development: Aligning Theory and Practice** [65197]

Suparna Chatterjee, Melissa Warr, New Mexico State University, USA

Room 104 / Full Papers

ID **Development and Evaluation of a Teaching Model to Promote Psychological Safety for Improving Anxiety About Collaborative Learning in Secondary Education** [64617]

Yuki Mitsugi, Yuki Watanabe, Graduate School of Science, Tokyo University of Science, Japan

ID **A Practice-Based Learning Cycle for STEM Teacher Preparation: Bridging Theory and Practice With Mixed-Reality Simulation** [65075]

Minkyong Kim, University of Tampa, Shim Lew, John Pecore, Ji Hye Shin, University of West Florida, Melissa Demetrikopou, Institute for Biomedical Philosophy, USA

Room 105 / Full Papers

SE **Exploring Physical Science Teachers' Professional Development on ICT Integration in Selected Lesotho Secondary Schools** [64287]

Maserialong Dlamini, University of the Free State, Lesotho; Thuthukile Jita, Loyiso Jita, University of the Free State, South Africa

SE **Developing a K-12 Microscopy Network** [64546]

Jo Watts, Cheryl Bai, The University of Virginia, Kelly Dooley, International Technology and Engineering Educators Association, Cameron Denson, North Carolina State University, N. Rich Nguyen, Glen Bull, The University of Virginia, USA

Room 106 / Full Papers

AWARD PAPER

SOC **CIVIC: Five Pillars for Using Artificial Intelligence in Social Studies Education** [64165]

Tina Heafner, UNC Charlotte, Daniel Maxwell, University of North Carolina at Charlotte, USA

SOCIAL **Digital Professional Presence: Exploring Teacher Identity and Role**

Dynamics on Social Media [65085]

Idam Kim, Hunhui Na, K. Bret Staudt Willet, Florida State University, USA

Room 107 / Full Papers

TLET **Empowering Preservice Teachers Through Emerging Technologies: Enhancing TPACK, Confidence, and Pedagogical Creativity** [64601]

Wei Zhang, Meredith Reinhart, Katherine Suender, Western Michigan University, USA

TLET **Towards an Integrated Antecedents and Outcomes Model of Blended Learning Implementation: a Quantitative Analysis at a College Level** [64611]

Ibrahim Magboul, Ahfad University for Women, Hanan Kuzat, Texas A&M University-Commerce, USA

Room 108 / Full Papers

GAI **Exploring the Role of Generative AI in Preparing Future Educational Leaders** [64396]

M. Elizabeth Azukas, East Stroudsburg University, David Gibson, Curtin University, USA

GAI **Preservice Teacher Perceptions of the Educational Applications of ChatGPT** [64398]

Yan Yan, Lamar University, Geroge Zhao, Paula Dagnon, Western Washington University, USA

Room 110 / Full Papers

TPACK **Preservice TPACK: the Critical Role of Context in Shaping Elementary Teacher Preparedness in Mathematics** [65074]

Fitsum Abebe, University of Illinois Urban-Champaigne, Guy Trainin, Fatemeh Ashrafabadi, University of Nebraska–Lincoln, USA

XR **Immersive Virtual Reality Intervention and Its Impact on Prospective Teachers' Cultural Competency** [64989]

Mahnaz Moallem, Folashade Agbolade, Towson University, USA

Room 111 / Full Papers

ASSESS **21st Century Advances Made in Assessment Through Technology: the Use of Dashboards and Artificial Intelligence As an Option for Individualizing Curriculum for Elementary Gifted Students** [64958]

Tandra Tyler-Wood, Daniella Smith, University of North Texas, Molly Tyler, University of South Florida, Rohan Paul Potnuru, University of North Texas, USA

ASSESS **University Clinical Educators' Feedback Practices: Analysis of Cognitive Coaching Feedback and Preservice Teacher Standards** [65160]

Natalie Bolton, Paula Miller, Dawn Thieman, University of Missouri-St. Louis, USA

Room 206 / Roundtable (F2F) (1 hr)

ID **Beyond the Headlines: Teaching Students to Spot and Stop Misinformation** [64295]

Sergio Alexander, Texas Christian University, USA

GAI Investigating the Preferences and Challenges of Math/Algebra, Economics, ELA, and Social Studies Teachers in Utilizing AI Tools [64719]

Aslihan Unal, Georgia Southern University, Zafer Unal, University of South Florida, USA

Room 205 / Full Papers

SICET Integrating AI in Foreign Language Assessment: Practicality and Validity in University-Level Japanese Education [65145]

Akio Abe, Li-Ting Chen, Elham Maleki, Ephraim Teye, Soichiro Motohashi, Yoshie Kadowaki, University of Nevada, Reno, USA

CSE Evaluating the Influence of a Global Online Professional Development Platform on Teachers' Robotics Skills and Confidence [64296]

Yuhan Lin, Jason McKenna, VEX Robotics, USA

Room 213 / Roundtable (F2F) (1 hr)

GE Integrating Personal Learning Networks in Educational Courses to Promote Collaboration Among Preservice Teachers [64347]

Angelia Reid-Griffin, UNCW/Watson College of Education, Daisyane Barreto, UNC Wilmington, USA

DE Flexible Education – Classroom Adaptations and Lessons Learned [64596]

Ronda Sturgill, The University of Tampa, USA

GS How Can We Integrate an Interactive and Immersive Educational Video Game into Secondary and Post-Secondary Science Classrooms: a Roundtable Discussion on the Role of Instructors [64390]

Ross Shaw, MacEwan University, Canada; Ji Yae Bong, University of North Carolina at Charlotte, USA; Isabelle Sperano, Robert Andruchow, MacEwan University, Canada

CSE Game on! Building Inclusive, Classroom-Ready Games for Free. [65122]

Adam Smeets, Microsoft, USA

Room 102R

Keynote Conversation

Join with our keynotes daily for an informal follow-up to keynote, Q&A session.

11:30 AM-12:30 PM

Room 101 / Panel (F2F) (1 hr)

CREATE AI Creativity in Education: Reframing the Human-Machine Creative Partnership [64959]

Edwin Creely, Monash University, Australia; Punya Mishra, Danah Henriksen, Arizona State University, USA; Michael Henderson, Monash University, Australia

Room 103 / Symposium (F2F) (1 hr)

CREATE Research Highlights in Technology and Teacher Education (RHTTE) 35th Anniversary Edition - a Symposium Sharing the Advancing and Innovative Research of Emerging Scholars [65198]

Rebecca Blankenship, Florida Agricultural and Mechanical University, Melissa War, New Mexico State University, Lucas Vasconcelos, University of South Carolina, USA; Laura Morrison, Ontario Tech University, Canada; Suparna Chatterjee, Amanda Peel, New Mexico State University, Luke Zeigler, University of West Georgia, Gina Solano, SUNY Oneonta, Ambie Watson, Valdosta State University, USA

UDL **Innovating Higher Education Post-Pandemic: From Online to Hyflex** [64706]
Laura Morrison, Robin Kay, Hannah Atkinson, Diane Tepylo, Alison Mann, Iain Brodie, Ontario Tech University, Canada

ECE **Artificial Intelligence or Actual Intelligence?** [64933]
Ambie Watson, Valdosta State University, USA

NPI **A Symposium Sharing the Advancing and Innovative Research of Emerging Scholars - Presenting Authors and Abstracts** [64976]
Rebecca Blankenship, Florida Agricultural and Mechanical University, USA

Room 104 / Brief Papers

ID **Providing Immediate Feedback to Students on Course Evaluation Responses Based on the MUSIC Model of Motivation** [64614]
Yusei Suzuki, Oita University, Ryuichi Matsuba, Fukuyama Heisei University, Shin-ichiro Kubota, Kumamoto University, Japan

ID **Artificial Intelligence in Instructional Design: a Comparative Study of Engagement, Perception, and Ethical Concerns** [64653]
Rasha Nouredine, John Groen, Laurie Campbell, University of Central Florida, USA

TPP **AI Policy in Higher Education: a Systematic Review of the Published Literature** [64524]
Angela Rand, University of South Alabama, Keirah Comstock, University of Rochester, Hwee Jean (Cindy) Lim, Iowa State, USA

Room 105 / Panel (F2F) (1 hr)

TIP **Leadership Perspectives on Implementing Four Pillars of Technology Infusion in Teacher Preparation Programs** [64988]
Jon Clausen, Ball State University, David Rutledge, New Mexico State University, Arlene Borthwick, National Louis University, Shannon Driskell, University of Dayton, Yi Jin, Iowa State University, Debra Sprague, George Mason University, Williams Mia Kim, University of Wyoming, USA

Room 106 / Brief Papers

ASSESS **Beast Mode Accreditation: an Applied Framework for Using Large Language Models As a Thought Partners in Program Evaluation and Continuous Improvement Efforts** [64630]
Margaret Donnelly, Todd Cherner, UNC Chapel Hill, USA

SPAT **Preservice and Preservice Teachers' Online Self-Regulated Learning** [65072]
Idam Kim, Chaewon Kim, Florida State University, USA

CSE **Shared Practices in Faculty-Driven Integration of Generative AI into Teacher Education Courses** [64415]

Rebekah Davis, NC State University, Lauren Margulieux, Georgia State University, Mike Karlin, California State University Dominguez Hills, Yin-Chan Janet Liao, Georgia State University, USA

Room 107 / Brief Papers

XR **A Clear-Eyed View: Do Preservice Teachers' Self-Evaluations of Teaching Performance Vary With Video Modality Used During Self-Reflection Activities?** [64367]
John Williams, University of South Dakota, USA

TLET **Understanding Teacher Candidates' Experiences Teaching Technology-Rich STEM Lessons: Exploring the Integration of SQD Strategies** [64488]
Daniel Mourlam, University of South Dakota, USA

GAI **The Impact of AI Workshops on Knowledge and Responsible Use of AI Tools in Education** [64972]
Adele Thomas, Susan Stetson-Tiligadas, The American College of Greece, Greece

Room 108 / Brief Papers

CSE **Preparing PK-8 Preservice Teachers to Learn and Teach Computational Thinking: a Design-Based Research** [64518]
Mahnaz Moallem, Marcia Vandiver, Dastyni Loksa, Qing Li, Melike Kara, Hoda Harati, Rachel Billman, LeaAnn Christenson, Towson University, USA

CSE **Preparing Preservice Teachers for Computer Science: a Scoping Review of Research on Knowledge, Instructional Methods, and Technologies** [64535]
Sang Joon Lee, Mississippi State University, USA

TIP **Green Light for AI: Navigating Transparency in Teacher Preparation** [64982]
Michelle Kelley, Taylor Wenzel, University of Central Florida, USA

Room 110 / Symposium (F2F) (1 hr)

C3 **For a Time Such As This Working Session** [65224]
Kristin Hemingway, Georgia State University, USA

Room 111 / Best Practices (F2F)s

SICET **Modeling in Instructional Videos: Managing Attention and Retention by Optimizing Cognitive Load** [64476]
Phillip Tretheway, Leping Liu, College of Education and Human Development, University of Nevada, Reno, USA

SICET **Modeling in Instructional Videos: Managing Motivation by Optimizing Self-Determination** [64508]
Phillip Tretheway, Leping Liu, College of Education and Human Development, University of Nevada, Reno, USA

GAI **Swiss Army Knives, Stochastic Parrots, Drunk Interns, and Overlords: Understanding AI Through Metaphors** [65067]
Nicole Oster, Arizona State University, Lindsey McCaleb, Punya Mishra, MLF Teachers College, ASU, USA

Room 206 / Roundtable (F2F) (1 hr)

DE **Constant Diligence: Discussion Forum Best Practices** [65115]
Paula Christensen, Kathryn Gentry, Northwestern State University of Louisiana, USA

GAI **Understanding ChatGPT's Role in Learning: a Dual Perspective From Student Perceptions and the Differences Between AI and Human Writing** [64369]
Zhaowei Zhang, James Hatten, University of South Florida, USA

Room 205 / Brief Papers

XR **Anxiety-Aware Virtual Reality Platform for Managing Stress in STEM Students** [64918]
Jahnavi Balaji, Likem Dunyo, Opeyemi Ojajuni, Sirisha Byrareddy, Bilal Tan, Temitope Olokunde, Brian Warren, Deidre Street, Southern University and A&M College, USA

XR **Improving Visualization in STEM Using Virtual Reality Content and Reality Capture Technology** [64935]
Sirisha Byrareddy, Opeyemi Ojajuni, Jahnavi Balaji, Likem Dunyo, Bilal Tan, Temitope Olokunde, Sri Divya Reddy Mettu, Ratana Prinyawiwatkul, Brian Warren, Deidre Street, Southern University and A&M College, USA

NPI **Chatbot-Driven Insights: a New Approach to Selecting Classroom Technologies** [65027]
Junhe Yang, University of North Texas, USA

Room 213 / Roundtable (F2F) (1 hr)

DE **Bridging Distances: Leveraging Technology for Observing Preservice Teachers in Remote Internships** [64622]
Tiffany Ohlson, Flagler College, USA

ID **Looking at Online Teacher Education Programs Through New Lenses: Engaging Strategies Using Instructional Technology** [64372]
Rebecca Birch, Dominican University, Elizabeth Truesdell, Dominican University of California, USA

TLET **Looking Back and Planning Forward: Exploring Digital Writing Integration in Elementary Teacher Education** [64525]
Kaira Kelly-Howard, Vassiliki (Vicky) Zygouris-Coe., University of Central Florida, Nicole Damico, University of North Carolina at Chapel Hill, USA

124 Dining / Lunch Break: 12:30-1:45 PM

12:45-1:45 PM

Room 208

Computer Science Education SIG Meeting

Room 103

Learner Variability (TEC) SIG

Room 104

Social Media (TEC) SIG Meeting

Room 105

Social Studies Education (TEC) SIG Meeting

Room 106

Teaching and Learning with Emerging Technologies (TEC) SIG Meeting

Room 107

Technological, Pedagogical & Content Knowledge (TPACK) (TE) SIG Meeting

Room 108

Technology Infusion SIG Meeting

Room 110

Technology Leadership (ITC) SIG Meeting

Room 111

Technology Policy & Practice (ITC) SIG Meeting

Room 206

Workforce & Community College Education (ITC) SIG Meeting

Room 205

X Realities and Learning (ITC) SIG Meeting

1:45-2:45 PM

Room 101 / Panel (F2F) (1 hr)

GAI Next-Gen Teaching: AI Teaching Assistant, AI in Game-Based Learning, and Prompt Engineering for ChatGPT [64377]

Leping Liu, Jeremy Tiedt, Phillip Tretheway, University of Nevada, Reno, USA

Room 103 / Full Papers

ME Preservice Teacher Acceptance of a Chat-Based Dialogue Simulator for Rehearsing Mathematical Questioning [64616]

James Bywater, James Madison University, Sarah Lilly, Jennifer Chiu, University of Virginia, USA

CT **Computational Thinking Lessons for Early Childhood** [64947]
Lucas Vasconcelos, Ismahan Arslan-Ari, Bridget Miller, Garrett Dawson, University of South Carolina, USA

Room 105 / Full Papers

CREATE **A Digital Pathway to Inclusion: How Online Simulations Support LGBTQ-Responsive Teacher Education** [64635]
Hoda Harati, Towson University, Gretchen McAllister, Northern Arizona University, USA

SE **Developing Elementary Teacher Science Efficacy Through a Next Generation Science Standards (NGSS) Professional Development Project** [64579]
Pascale Creek Pinner, Hilo Intermediate School, USA

Room 106 / Full Papers

TLET **Navigating Future Roles and Professional Identity Shift of Academics at a South African University: Perceived Attitudes Towards Emerging Technologies** [64080]
Novel Lena Folabit, Loyiso Currell Jita, University of the Free State, South Africa

GAI **Integrating GenAI into Higher Education Coursework: Reifying Innovators' Experiences As Vignettes** [65071]
Teresa Foulger, Farnaz Avarzamani, Arizona State University, Todd Cherner, University of North Carolina at Chapel Hill, USA

Room 107 / Full Papers

ID **Development of Story-Based Instructional Material for Secondary Mathematics Education: Engagement, Misdirection, and Fantasy Context** [64639]
Haruka Sakurada, Kento Nakamura, Yuki Watanabe, Graduate School of Science, Tokyo University of Science, Japan

K12 **K-12 Teacher Perceptions of Online Learning and Information Technology Support Post COVID-19 Pandemic** [64922]
Michael Carraway II, Parul Acharya, Columbus State University, Stephen Sivo, University of Central Florida, USA

Room 108 / Full Papers

K12 **The Effect of Spacing on Cognitive Performance in an Online Advanced Placement Computer Science Course** [64598]
Brandi Goodman, Lake Highland Preparatory I University of Central Florida, USA

CSE **CS Vision Statements for Teacher Preparation Program Development** [65016]
Erin Anderson, Yin-Chan Janet Liao, Georgia State University, USA

Room 110 / Brief Papers

GAI **A Systematic Exploration of Top Ten Academic Publishers' AI Use Policies** [64494]
Elizabeth Shepard, Angela Rand, University of South Alabama, USA

GAI **From Macro to Micro to Contextualized Micro Prompts: Guiding Teacher**

Candidates Through an AI Prompting Continuum [64556]

Keri Ewart, Wilfred Laurier University, Canada

Room 111 / Full Papers

SOC Developing Social Studies Technology Dispositions and Knowledge Through Infusion: Evaluating Digital Timeline Tools Through a Project Based Learning Experience [65003]

Aaron Bruewer, Rachel Venator, The University of the District of Columbia, USA

IL Leveraging Technology: Understanding School Librarians' AI and Tech Skills to Support English Learner Instruction [65156]

Daniella Smith, Tandra Tyler-Wood, Ijay Kaz-Onyeakazi, Stacie Milburn, Lydia Oladapo, Diana Colby, University of North Texas, USA

Room 206 / Roundtable (F2F) (1 hr)

SE Future Elementary Educators: Port Education & Awareness [64199]

Mamta Singh, Avinash Sah, Lamar University, USA

GAI An AI Literacy Framework to Guide Continual Growth in AI Fluency From Novice to Expert [64371]

Ken Luterbach, Kristen Gregory, Xi Lin, Sarah Sconyers, East Carolina University, USA

Room 205 / Symposium (F2F) (1 hr)

STEM STEM Innovation Symposium [65036]

Lucas Vasconcelos, University of South Carolina, Yuhan Lin, Vex Robotics, Jahirul Mullick, Kean University, USA; Jose Aires de Castro Filho, Federal University of Ceara, Brazil, Brazil; Patrick Haas, NASA, Dina Rosen, Kean University, USA; Roberia Lourenço, Federal University of Rio Grande do Norte, Brazil; Juscileide Castro, Federal University of Ceará, USA; Lidia Cardoso, Federal University of Ceará, Stella Brito, Federal University of Rio Grande do Norte, Brazil

STEM The STEAM Approach in the Development of Socioemotional Skills in Gifted Students [65095]

Stella L. da S. Lima Brito, Secretaria Municipal de Educação de Macaíba, Dennys Leite Maia, Universidade Federal do Rio Grande do Norte (UFRN), Juliana T. Câmara Reis, Universidade Federal do Rio Grande do Norte, Brazil

STEM Stop the Pigeon! a STEAM Project on Socio-Environmental Sustainability Awareness in a Northeastern Brazilian School [65094]

Roberia Lourenço, Raíza Soares, Isabel Nunes, Dennys Maia, Graduate Program in Innovation in Educational Technologies (PPgITE - UFRN), Brazil

Room 213 / Roundtable (F2F) (1 hr)

SPAT Increasing Community Engagement and Project Based Learning Opportunities for Students With Disabilities [64148]

Kalynn Hall, Columbus State University, USA

ECE Guidelines for Using Game Mechanics to Develop Children's Reading Motivation [65158]

Hengtao Tang, University of South Carolina, USA

EQ **Creating an Online Database of Diverse Texts and Resources to Empower Young Readers** [65062]

Kali Johnson, Eric Dickens, Albion College, USA

Room 209 / **Information Technology Council Meeting**

2:00-8:00 PM

Universal Studios Tickets with Mardi Gras Parade (2pm Entry)

124 Dining / Afternoon Pick-Me-Up: 2:45-3:00 PM

3:00-4:00 PM

Room 101 / Panel (F2F) (1 hr)

SICET **AI Applications in Teaching and Learning Languages** [64574]

Hong Zhan, Embry-Riddle Aeronautical University, USA; Jining Han, Southwest University, China; Hsiu-Jen Cheng, National Kaohsiung Normal University, Taiwan; Leping Liu, Rod Case, University of Nevada, Reno, USA

Room 103 / Brief Papers

CREATE **Leveraging Generative AI for Culturally Responsive Teaching: a Shift in Educator Planning and Practice** [64562]

Keri Ewart, Wilfrid Laurier University, Canada

CREATE **The Case of the Missing Shells: Launching a Creativity and Innovation Lab for Education Students** [64955]

Jillian Powers, Florida Atlantic University, Susannah Brown, Danielle Brown, Robert Bogle, Samantha Lopez, Florida Atlantic University, USA

CREATE **Creating Informal STEM Learning for All** [64225]

Angelia Reid-Griffin, UNCW/Watson College of Education, Christine Sawyer, New Hanover County Schools/Bradley Creek Elementary School, USA

Room 104 / Brief Papers

ECE **Enhancing Critical Thinking in Teaching Through AI** [64478]

Wei Hsiao, University of Alaska Anchorage, USA; Pei-Ying Lin, University of Saskatchewan, Canada; Chia Jung Yeh, East Carolina University, Adriano Cavalcanti, St. Cloud State University, USA

LEAD **Literature Review of K-12 Technology Coaches and Specialists Leadership Role** [64995]

Jason Harron, Kennesaw State University, Katheryn Shannon, Southeastern Oklahoma State University, USA

ASSESS **Enhancing Teacher Preparation Data Collection With Existing Technologies** [64889]

Natalie Bolton, Lance Cox, University of Missouri- St. Louis, USA

Room 105 / Best Practices (F2F)s

ME **Redesigning Middle Grades Math Teacher Preparation** [64133]
Abby Brown, Kurt Miltenberger, Carlyn Ludlow, Arizona State University, USA

ECE **Impact of GenAI on Early Childhood Preservice Teacher Decision-Making**
[64610]
Dina Rosen, Sancha Gray, Kean University, Susan Poage, Berkley Heights Public Schools, USA

SOC **Crash Course YouTube: Better Practices for Video Streaming in Social Studies Education** [64637]
Margaret Donnelly, UNC Chapel Hill, USA

Room 106 / Brief Papers

EVAL **Pedagogical Awareness and What Preservice Teachers Learned in Teacher Training Course - Cross-Analysis of Survey Responses and Course Reflections by LLM** - [64911]
Takahisa Furuta, Masaki Konya, Fumi Kumagai-Sano, Cooperative Faculty of Education, Gunma University, Tomonori Hashizume, Isesaki Dai'ichi Junior-High School, Gunma, Japan; Gerald Knezek, University of North Texas, USA

GAI **AI and Bloom's Taxonomy: Modeling and Scaffolding Preservice Teachers' Use Artificial Intelligence for Learning and Teaching** [64554]
Crystal Machado, Indiana University of Pennsylvania, Yao Fu, University of Wisconsin - Whitewater, USA

TLET **Cultivating 21st-Century Skills in Multicultural Digital Learning Environments: Lessons From the TEC Multiple Collaborations Project** [64686]
Merav Rotary, Kibbutzim College of Education, Miri Shonfeld, Kibbutzim College and MOFET, Israel

Room 107 / Brief Papers

TLET **Multilingual Voice Cloned AI in Education: Enhancing Online Learning With Instructor Voice Synthesis Across Languages** [64425]
Marcus Taylor, University of North Texas HSC & University of North Texas Department of Learning Technologies, USA

MAKE **Transforming Rural Education: Advancing Culture-Based and Inclusive STEAM Learning With a Mobile Makerspace in Hawai'i** [64702]
Laura Morrison, Ontario Tech University, Canada; Phaedra Robinson, RAI Hawaii, LLC, USA; Rosanna Nusseiri, Ontario Tech University, Canada

LEAD **Leading Through Technology: Bridging the Gap Between Curriculum and it** [65068]
Lindsey McCaleb, Arizona State University, Susan Williams, Arizona Technology in Education Association, Erica Anne Price, Arizona State University, USA

Room 108 / Best Practices (F2F)s

ECE **Exploring the Role of Generative AI in Preservice Teacher Education** [65050]
Heather Huling, Kathleen Crawford, Georgia Southern University, USA

EE **Using AI to Help Secondary Preservice Teachers Add Visuals to Instruction**
[65084]

Denise Ousley, Daisyane Barreto, UNCW, USA

SE **Astronomy 3D Printed Models to Enhance Learning for Blind and Visually Impaired Students (and Everyone!)** [64483]

Hilarie Davis, TLC Inc., Thomas Madura, San Jose State University, Carol Christian, Space Telescope Science Institute, Tiffany Wild, Skye O'Beollain, Ohio State University, David Hurd, Pennsylvania Western University, Noreen Grice, You Can Do Astronomy LLC, Lindsay Bartolone, Independent, USA

Room 110 / Full Papers

ME **ChatGPT As a Math Tutor: a Comparative Analysis of ChatGPT Model 3.5 Capabilities and Its Reasoning Model O1** [65055]

Ela Ziv, UNC Charlotte, Israel; Tina Heafner, University of North Carolina at Charlotte, USA

SICET **An Action Research Study on Scaffolding Information Literacy for Technical College Students** [65022]

Huyen Maluck, Midlands Technical College, Yingxiao Qian, University of South Carolina, USA

Room 111 / Full Papers

GE **Balancing Promise and Peril: What Do Instructors Say About Generative AI Integration in Higher Education** [65172]

Haixia Liu, Grand Valley State University, USA

SICET **ChatGPT As a Support Tool for Visual Analysis in Single-Case Design Studies**
[64962]

Isaac Mensah, Li-Ting Chen, University of Nevada, Reno, USA

Room 205 / Symposium (F2F) (1 hr)

STEM **STEM Innovation Symposium** [65203]

Lucas Vasconcelos, University of South Carolina, Yuhan Lin, Vex Robotics, Jahirul Mullick, Kean University, USA; Jose Aires de Castro Filho, Federal University of Ceara, Brazil, Brazil; Patrick Haas, NASA, Dina Rosen, Kean University, USA; Roberia Lourenço, Federal University of Rio Grande do Norte, Brazil; Juscileide Castro, Federal University of Ceará, USA; Lidia Cardoso, Federal University of Ceará, Stella Brito, Federal University of Rio Grande do Norte, Brazil

STEM **STEAM Approach in Brazilian High Schools: Decolonizing Technologies and Intertwining Communities** [65098]

Juscileide B. Castro, Federal of Ceará University (UFC), Francisco Vieira dos Santos, Federal Institute of Education, Science and Technology of Maranhão, Maria Silvânia M. X. Souza, Department of Education of the State of Ceará, Brazil

Room 213 / Roundtable (F2F) (1 hr)

ID **Curricular Development With Adaptive Leadership in Instructional Design**
[64521]

Juhong Christie Liu, Andrea Adams, James Madison University, USA

DE Creating Microlearning Modules Using ChatGPT: Ensuring Quality for Online Courses [65136]

Sanghoon Park, Jung Lim, University of South Florida, USA

EE Generating, Applying, and Responding to ELATE's AI Position Statement Across Educational Contexts [65142]

Merideth Garcia, University of Wisconsin-La Crosse, Brady Nash, University of Florida, Ewa McGrail, Georgia State University, J. Patrick McGrail, Jacksonville State University, Alicja Rieger, Valdosta State University, Daniel Rieger, Broward College, USA

TPACK AI and the Three Dimensions of Presence: Redefining Human-Technology Interaction [65146]

Camille Dempsey, PennWest University, USA

Room 102R

New SIG Chair Orientation

Room 209 / **Teacher Education Council Meeting**

4:00-5:30 PM

124 Dining / **SITE Leadership Meeting**

4:15-5:15 PM

Room 103 / Full Papers

TPACK Graduate Preservice Teachers' TPACK Confidence to Use and Apply Specific Technology Components for Planning, Teaching and Learning Purposes [64203]

Natalie McMaster, Michael D Carey, University of the Sunshine Coast, David A Martin, Edith Cowan University, Australia

TPACK Enhancing Teachers' TPACK and Self-Efficacy Through Content-Based Technology Integration Professional Development [64284]

Yi Jin, Iowa State University, Chloe Wilson, Bremen City Schools, USA

Room 104 / Full Papers

STEM Exploring Integrated STEM Best Practices for Studying Genetics and Natural Selection Using Vibrating Robots [64992]

Stuart White, Purdue University, Robert Freeman, Purdue University, Jeanette Jensen, Timothy Newby, Purdue University, USA

Room 105 / Full Papers

TIP Enhancing Educator Engagement and Practical Impact Through VR Training in K-12 STEM Education [64413]

Nooshin Darvishinia, Todd Goodson, Kansas State University, USA

ID Overcoming Accessibility Barriers in Online Learning: a DDR Model Use Study Augmenting the R2D2/C3PO Model [64219]

Ann Armstrong, Brenda Soto, National University, USA

Room 106 / Brief Papers

EVAL Predicting Students' Computer Science Interest Using Pretest Data: a Machine Learning Approach [64938]

Dilara Kara-Zorluoglu, Metehan Zorluoglu, University of Nevada, Las Vegas, Ezgi Yesilyurt, Weber State University, Erdogan Kaya, George Mason University, Refika Turgut, University of South Carolina Upstate, USA; Elif Adibelli-Sahin, Development Workshop, Turkey; Hasan Deniz, University of Nevada, Las Vegas, USA

DV Evaluating Virtual Reality (VR)/360o Media Content for Undergraduate Education: Exploring the Life Science Research Lab [65151]

Alistair Dias, University of Toronto, Human Biology Program, Paul Alexander, University of Toronto, The Ontario Institute for Studies in Education, Yolanda Wang, Marcial Machado, Hanwen Zhang, University of Toronto, Canada

Room 107 / Brief Papers

INTL English Collaborative Online International Learning: Perspectives Between BR and USA [64211]

Daniela Garcia, São Paulo State University- School of Sciences, Languages and Humanities, Assis, Brazil; Laura Wilkinson, Virginia Commonwealth University, USA

XR Best Practices in the TeachLivE and Mursion Mixed-Reality Simulation Literature [64903]

Erin Anderson, Brendan Calandra, Georgia State University, USA

XR XR-LEADS: a Multimodal Framework for Interactive Learning Experience and Real-Time Analytics in XR Training [65039]

Jeeheon Ryu, Kukhyeon Kim, Chonnam National University, Eunbyul Yang, Jeju National University, Jong-Bae Lee, Beom-Ryeol Lee, Wookho Son, Electronics and Telecommunications Research Institute, Korea (South)

Room 108 / Brief Papers

GAI The Impact of Hands-on Experience on Generative AI for Middle School Students [64912]

Tomonori Hashizume, Isesaki Dai'ichi Junior-High School, Gunma, Takahisa Furuta, Cooperative Faculty of Education, Gunma University, Japan

GAI The Analysis on AI-Convergence Education Competencies of Teachers [64970]

Kukhyeon Kim, Seonyul Lee, Jeeheon Ryu, Chonnam National University, Korea (South)

GAI Unlocking Educator Agency: a Critical Co Discovery Approach to AI Literacy [65057]

Melis Dilek, Melika Ziba, Evrim Baran, Iowa State University, USA

Room 110 / Brief Papers

K12 Designing Effective Online Courses in K-12 Education [65121]

Ozlem Karakaya, Denise Crawford, Iowa State University, USA

ME **The Keep in School Shape (KiSS) Program: Best Practices for Designing an Interactive Review Program Using Online Survey Software** [64467]
Carla van de Sande, Arizona State University, USA

Room 111 / Full Papers

CSE **Bubbles, Bubbles Everywhere: Integrating Mind Mapping in Thinking-Based Software Testing Education** [64728]
Pankaj Kamthan, Concordia University, Nazlie Shahmir, Canadian Pacific Kansas City Limited, Canada

CT **Predicting Computational Thinking (CT) Skill Level Among Engineering Students Using Machine Learning** [64427]
Opeyemi Ojajuni, Yasser Ismail, Brian Warren, Fareed Dawan, Albertha Lawson, Southern University and A&M College, USA

Room 213 / Roundtable (F2F) (1 hr)

TIP **GoReact: Exploring How it Enhances Supervision and Mentoring for Educators** [64542]
Cheryl Horton, Fayetteville State University, Angelia Reid-Griffin, UNC-Wilmington, USA

GAI **Empowering Future Educators: Exploring Preservice Teachers' Readiness for AI Integration in Elementary Education** [64718]
Aslihan Unal, John Hobe, Georgia Southern University, USA

TLET **Preservice Teachers Candidates' Perspectives of Artificial Intelligence (AI)** [64644]
Jana Willis, Sheila Baker, Michelle Giles, University of Houston-Clear Lake, USA
Friday, March 21

8:30 AM-12:30 PM

Registration

Celebrity Foyer / Kickoff Coffee: 8:30-9:00 AM

9:00-10:00 AM

10:00 AM-1:00 PM

Room 209

63930: Crafting Engaging and Interactive Digital Lessons with SoftChalk: A Hands-On Workshop [63930]
Wendy Cowan, Bridgette Walker, Athens State University, USA

10:15-11:15 AM

Room 103 / Symposium (F2F) (1 hr)

SE **Frameworks and Approaches for Inclusive Science Instructional Design** [64282]

Stuart White, Purdue University, Timothy Hinchman, Georgia Southern University, USA

SE **Using Unplugged Computational Thinking and Student Collaboration to Support Natural Selection Learning** [65184]

Amanda Peel, New Mexico State University, USA

Room 105 / Full Papers

TPACK **Leading Online Professional Development for Instructional Technology Coaches With Effective Design Elements** [64306]

Yi Jin, Iowa State University, Janet Cowart, Gwinnett County Public Schools, USA

TLET **Self-Assessment Scale of Teachers' Pedagogical-Digital Competences: Pedagogical DigCompEdu Reloaded. Construction and Validation Procedures** [64255]

António Moreira, Centre of Interdisciplinary Studies, Universidade Aberta, Sara Dias-Trindade, Transdisciplinary Research Centre Culture, Space and Memory, Faculty of Arts, University of Porto, Portugal

Room 106 / Full Papers

TIP **Exploring Technology Infusion Characteristics in Teacher Preparation: Program Accomplishments, Affordances, and Barriers** [64414]

Debra Sprague, George Mason University, Teresa Foulger, Arizona State University, Jo Williamson, Kennesaw State University, Stella Ettenson, George Mason University, Ray Buss, Arizona State University, USA

STEM **Teachers' Perceptions of STEM Education Within an Independent Australian School** [64042]

Georgina Charles, Sheldon College, Petrea Redmond, Julie Lindsay, Peter Albion, University of Southern Queensland, Australia

Room 107 / Full Papers

TPACK **Lessons in Adaptation: a Five-Year Design Analysis of Culturally Responsive Computer Science PD for Elementary Teachers** [64564]

Nitasha Mathayas, University of Illinois at Urbana-Champaign, Amanda Nolte, Hilary Mead, University of Delaware, Chrystalla Mouza, University of Illinois at Urbana Champaign, Lori Pollock, Rosalie Rolón-Dow, Bataul Alkhateeb, University of Delaware, Santiago Ospina Tabares, University of Illinois at Urbana-Champaign, USA

SOCIAL **Academics As TikTok Content Creators** [64499]

Ramona Maile Cutri, Brigham Young University Teacher Education Department, Erin F. Whiting, Brigham Young University Teacher Education Department, USA

Room 108 / Full Papers

CSE **Applying Preservice Teacher Training in Computer Science: Integration into Secondary Math Classrooms** [65065]

Emily Green, Shannon Campe, Desaree Renaud, ETR, USA

CSE **Challenging Stereotypes: How Counter-Stereotypical Role Models With Personalization Influence Female Preservice Teachers' Beliefs and Attitudes Toward Computer Science** [65063]

Fatih Ari, Ismahan Arslan-Ari, Lucas Vasconcelos, University of South Carolina, USA

Room 110 / Full Papers

GAI **Ethos, Pathos, Logos: Moving the GenAI Conversation From Heuristics to Hermeneutics** [64495]

Rebecca Blankenship, Florida Agricultural and Mechanical University, USA

GAI **Human or AI? Understanding the Learning Implications of Anthropomorphized Generative AI** [64500]

Nicole Oster, Punya Mishra, Arizona State University, USA

Room 111 / Full Papers

XR **A Systematic Review on the Application of Virtual Reality in Public Health Training** [64948]

Amaka Ojieh, Opeyemi Ojajuni, Brian Warren, Deidre Street, Albertha Lawson, Michael Stubblefield, Southern University and A&M College, USA

XR **A Pedagogical Concept to Foster Preservice Teachers' Media Education Competence Integrating Social Mixed Reality and Transcultural Education** [65021]

Tamara Baumann, University of Wuerzburg, Jennifer Tiede, University of Applied Sciences and Arts Dortmund, Marc Erich Latoschik, Silke Grafe, University of Wuerzburg, Germany

Room 205 / Full Papers

STEM **Gestures and Overt Behaviors As Windows into Cognitive Engagement: Exploring Embodied Engagement in an Interactive Science Museum Exhibit** [65025]

Siki Narae Lim, Janice Anderson, Jill Hamm, University of North Carolina at Chapel Hill, USA

Room 207 / Full Papers

ME **Teaching Method for Mathematical Representation Ability: Modified TTW** [64436]

Kohei Watanabe, Graduate School of Science, Tokyo University of Science, Koki Tamaki, Research Center for Higher Education, Tokushima University, Yuki Watanabe, Graduate School of Science, Tokyo University of Science, Japan

ME **Instructors' Acceptance of a Questioning Classifier Tool for Elementary Mathematics Teacher Education** [64620]

Sarah Lilly, University of Virginia, Jim Bywater, James Madison University, Jennifer Chiu, University of Virginia, USA

Room 213 / Roundtable (F2F) (1 hr)

NPI **A Framework for Invention Education in STEM: Fostering Creativity, Problem-Solving, and Real-World Application** [65141]

Madeline Stoddard, University of South Florida, Daniel Park, King High School, Jamie Spurrier, University of South Florida, USA

TPACK **A Synthesis of Research on TPACK Revalidation** [65165]

Kadir Karakaya, Denise Crawford, Iowa State University, USA

INTL Examining Preservice Teachers' Digital Citizenship and Responsible Online Presence: a Comparative Multi-Country Study [65004]

Abdul Ibrahim, Millersville University, USA; Ahlam Lamjahdi, Mohammed First University, Morocco

SPAT Fortuitous Futures: Harnessing GenAI for Special Education Self-Efficacy [65087]

Jolie Kennedy, Ajay Das, Empire State University, USA

Room 102R

Keynote Conversation

11:00 AM-1:30 PM

Room 208

64537: Using Technologies and Tools including AI to support teaching a diverse student population in online learning spaces [64537]

Shernette Dunn, Air University, USA

Room 104

65220: A Hands-On Workshop on AI in Education for Faculty and Researchers [65220]

Zafer Unal, Ilene Berson, Michael Berson, University of South Florida, USA

11:30 AM-12:30 PM

Room 103 / Symposium (F2F) (1 hr)

SE Part 2: Frameworks and Approaches for Inclusive Science Instructional Design [65199]

Stuart White, Purdue University, Timothy Hinchman, Georgia Southern University, USA

SE A Streamlined Approach to Understanding and Using the Next Generation Science Standards [65191]

Nathan Dolenc, University of Louisiana at Lafayette, USA

SE Integrating Geospatial Thinking and Reasoning Activities: Examples From Secondary Biology, Chemistry and Environmental Science [65195]

Kate Popejoy, Popejoy STEM LLC, Thomas Hammond, Lehigh University, John Costanza, Charter School of Wilmington, Michael Hardisky, Building 21 High School, Ian Hanson, Concord High School, USA

SE The Development of "Citizen Science" Lessons Using Technology Tools and Their Impact Upon Student Motivation [65168]

Pascale Creek Pinner, Hilo Intermediate School, Jan Ray, University of Hawai'i at Hilo, USA

Room 105 / Brief Papers

TLET Digital Equity in STEM Education Through the Lens of a Mobile Immersive

Technology Truck [64764]

Temitope Olokunde, Sri Divya Reddy Mettu, Damilare Adigun, Amaka Ojieh, Ratana Warren, Opeyemi Ojajuni, Nikhil Rao Pendyala, Jaden Martin, Deidre Street, Brian Warren, Southern University and A & M College, USA

GE Leveraging AI for Faculty Excellence: Tools and Best Practices [64981]

Michele Parker, UNC Wilmington, USA; Isaac Wiafe, Kofi Sarpong Adu-Manu, Mark Atta Mensah, Prince Boakye-Sekyerehene, University of Ghana, Ghana; Katherine Fuller, University of North Carolina Wilmington, USA

Room 106 / Best Practices (F2F)s

TPACK Advancing Bilingual Instruction: TPACK-Based Solutions for Supplementing the Genre Egg Model [64376]

Yingqi Wu, University of North Carolina at Chapel Hill, USA

TIP Leveraging Video Assessment Platforms for Effective Candidate Mentoring: Engaging Teacher Candidates in 'Reflection-in-Action' [64461]

Eileen Wertzberger, Amanda Lickteig, Tracey Conway, Kansas State University, USA

SPAT Unravelling the Online Challenges of Exceptional Elementary Students [64351]

Pei-Ying Lin, University of Saskatchewan, Canada, Canada; Chia Jung Yeh, East Carolina University, Wei-Ying Hsiao, University of Alaska Anchorage, USA

Room 107 / Brief Papers

TLET Empowering EFL Students Through Multimodal AI for Effective Communication [64447]

Yi-Lun Wu, TVE, National Yunlin University of Science and Technology, Hui-Chin Yeh, DAFL, National Yunlin University of Science and Technology, Ming-Chang Wu, TVE, National Yunlin University of Science and Technology, Taiwan

TLET Student Vs. Faculty Perceptions on Reading Requirements in Creative Degree Programs at Private Universities [64456]

Jacqueline Diaz-Mewes, Shaun Hawkins, Full Sail University, Jessica Blevins, The Chicago School, USA

SPAT Preservice Teachers' Knowledge, Skills, and Preparedness for Assistive Technology [65005]

Ismahan Arslan-Ari, University of South Carolina, USA; Gulshat Muhametjanova, Kyrgyz-Turkish Manas University, Kyrgyzstan; Fatih Ari, University of South Carolina, USA

Room 108 / Brief Papers

XR Creating Engaging Collaborative Experiences in Extended Reality: Design and Development Insights [64358]

Jason Harron, Blossom Madubike, Dominic Thomas, Kennesaw State University, USA

GAI Empowering Future Educators: Ethically Enhancing Classroom Engagement With AI Tools [64328]

Shihua Brazill, Montana Technological University, Shufang Strause, SUNY Cortland, USA

XR Inclusive and Equitable VR: Practical Strategies for the Classroom [64183]

Michael McKenzie, Alex Fegely, Coastal Carolina University, USA

Room 110 / Full Papers

CSE **AP CS Principles Teachers and the Pedagogy of Creative Work in Computer Programming** [64466]

Jane Kang, Education Development Center, USA

CSE **Informatics in Primary — Analyzing Teachers' Discourse With a Semi-Automated Lesson Report System** [64411]

Gabriel Parriaux, University of Teacher Education (HEP Vaud), Switzerland; Éric Bruillard, Université Paris Cité, France

Room 111 / Best Practices (F2F)s

TIP **Empowering Future Educators: Best Practices for Integrating Friendly AI in Teacher Preparation** [65034]

Suzanne Porath, Kansas State University, USA

TIP **Collaborative Design and Development of an AI Explorations Workshop for Teacher Educators, K12 Teachers, and Teacher Education Candidates** [65107]

Jon Clausen, Cresta Hancock, Alisa Grady Slavens, DeAnne Taggart, Rachel Dokich, Ball State University, USA

DE **Instilling University Core Values and Mission Through Online Doctoral Programs and Beyond** [64997]

Linda D. Grooms, Don Finn, Regent University, USA

Room 205 / Full Papers

AWARD PAPER

EQ **Instructional Technology and Culturally Responsive Teaching for American Indian and Alaska Native Students** [64963]

Luke Ziegler, University of West Georgia, Jennifer Darling-Aduana, Georgia State University, USA

EQ **Learning to Teach About Media Focusing on Diversity. Development and Evaluation of a Pedagogical Concept for Initial Teacher Education** [65046]

Antonia Halsch, University of Wuerzburg, Jennifer Tiede, University of Applied Sciences and Arts Dortmund, Silke Grafe, University of Wuerzburg, Germany

Room 213 / Roundtable (F2F) (1 hr)

NPI **Open Pedagogy in Action: Co-Creating an OER in a Breakout EDU Course** [64954]

Ozlem Karakaya, Iowa State University, USA

TIP **Profiles of Teacher Candidates' Preparedness to Integrate Technology for Literacy and Language Arts** [65059]

Kimberly Smith, Nicole Miller, Mississippi State University, USA

12:30-1:30 PM

Room 105 / Full Papers

SICET **Designing Videos to Market Mining Programs: a Content Analysis of YouTube Videos** [64506]

Li-Ting Chen, University of Nevada, Reno, Clarissa Darko, Emmanuel Mends, Lilit Shakaryan, Reshika Rimal, University of Nevada Reno, USA

SICET **Integrating Universal Design for Learning Within the ADDIE Model: Strategies and Digital Tools for Inclusive Higher Education** [64634]

Tian Meng, Virginia Tech, Shuyan Wang, University of Southern Mississippi, USA

Room 106 / Full Papers

CREATE **Assessing Creativity in a Technology Outreach Service-Learning Course** [65066]

Cindy Robertson, Anca Doloc-Mihu, Cengiz Gunay, Wei Jin, Georgia Gwinnett College, USA

CREATE **Designing a Digital Application to Support Overt Musical Responses With Young Learners: a Case Study** [65112]

Erin Collins, Tiffany Roman, Kennesaw State University, School of Instructional Technology and Innovation, USA

Room 107 / Full Papers

TPACK **From Devices to Depth: How One-to-One Technology Develops Elementary Educator Pedagogy and Student Engagement** [64568]

Adam Smeets, Depaul University, USA

TIP **Professional Learning Leaders' Perspectives on How Automated and Personalized Feedback Reports Can Support Teacher Learning** [65070]

Heather Jorgenson, Jamie Mikeska, Dante Cisterna, Educational Testing Service, USA

Room 108 / Best Practices (F2F)s

ID **Best Practices for Technology Infusion: Designing Opportunities for Preservice Teachers to Learn Through Modeling, Practice, Feedback, and Reflection** [65090]

Melissa Negreiros, College of Charleston, USA

NPI **Effects and Challenges of Visualizing Peer Annotations in Post-Class Learning** [65042]

Takaki Kondo, Kaisei Ishii, Tokyo University of Science, Tadashi Misono, Shimane University, Rieko Inaba, Tsuda University, Yuki Watanabe, Tokyo University of Science, Japan

EVAL **Social Media As Autonomous Professional Development Experiences** [65159]

Cynthia Deaton, Jacquelynn Malloy, Clemson University, USA

Room 110 / Best Practices (F2F)s

ME **Enriching the Process of Solving Linear Systems Through Vanishing Point Projection Geometry and Technology.** [64869]

Sandra Fital-Akelbek, Mahmud Akelbek, Weber State University, USA

NPI **Easing the Burden of Instructional Development With Generative AI Tools**

[64952]

Ken Luterbach, Kristen Gregory, Xi Lin, Sarah Sconyers, East Carolina University, USA

Room 111 / Full Papers

ME **Measuring the Effectiveness of GPT-4o in Solving Mathematical Literacy Questions Involving Images** [64875]

Georgina Chua Ling Ling, Tim Pelton, University of Victoria, Canada

DV **A Systematic Review on the Impact of Educational Videos on Mathematics Learning Outcomes.** [65105]

Raed Abdullah A Alqahtani, University of North Texas Department of Learning Technologies College of Information, Cheng Li, University of North Texas Department of Learning Technologies College of Information., USA

12:45-1:45 PM

Room 105 / Full Papers

SICET **Designing Videos to Market Mining Programs: a Content Analysis of YouTube Videos** [64506]

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Room 107 / Full Papers

TPACK **From Devices to Depth: How One-to-One Technology Develops Elementary Educator Pedagogy and Student Engagement** [64568]

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Room 110 / Best Practices (F2F)s

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NPI **Easing the Burden of Instructional Development With Generative AI Tools** [64952]

Ken Luterbach, Kristen Gregory, Xi Lin, Sarah Sconyers, East Carolina University, USA

Room 111 / Full Papers

ME **Measuring the Effectiveness of GPT-4o in Solving Mathematical Literacy Questions Involving Images** [64875]

Georgina Chua Ling Ling, Tim Pelton, University of Victoria, Canada

DV **A Systematic Review on the Impact of Educational Videos on Mathematics Learning Outcomes.** [65105]

Raed Abdullah A Alqahtani, University of North TexasDepartment of Learning TechnologiesCollege of Information, Cheng Li, University of North TexasDepartment of Learning TechnologiesCollege of Information., USA

1:45-2:45 PM

124 Dining

Closing Lunch and Invitation to SITE 2026 Virtual Sessions

Best Practices (Asynchronous)s

LEAD **AI-Driven Leadership: Enhancing Collaboration and Productivity** [64449]
Michele Klein, Michele Klein Consulting, USA

GAI **Charting the Future for AI Integration in Maryland's Online IEP System Through Stakeholder-Driven Innovation** [64951]

Andrea Harkins-Brown, Carling Linda, David Peloff, Johns Hopkins Univ., USA

CREATE **Creating Informal STEM Learning for All** [64225]

Angelia Reid-Griffin, UNCW/Watson College of Education, USA; Christine Sawyer, New Hanover County Schools/Bradley Creek Elementary School, USA

- TLET Digital Literacy and Socioeconomic Empowerment: a Study on Moroccan College Students** [65139]
Mahmood Omid, SOKA Univ. of America MA Program, USA
- CREATE Digital Musical Instruments in STEM Teaching and Learning** [64245]
Fares Kayali, Vera Schwarz, Univ. of Vienna, Austria; Naemi Luckner, TU Wien, Austria; Oliver Hödl, Univ. of Vienna, Austria
- ASSESS EPortfolio Utilization in Doctoral Programs** [64314]
Aubrey Statti, Kelly M. Torres, The Chicago School, USA
- EVAL Exploring the Use of SmartPens in Research** [65019]
Lisa Heaton, McKenzie Brittain, Marshall Univ., USA
- TPACK Exploring TPACK Gaps: a Mixed-Methods Approach to Understanding Educator Readiness for Computer Science and Digital Fluency Standards** [64860]
Julianne Ross-Kleinmann, Ulster BOCES, USA
- TPACK Facilitating Meaningful Participation in Zoom Seminars: Best Practices for Instructors** [64324]
January Pearson, Purdue Global Univ., USA
- GE Faculty Development and Student Learning: Empowering Educators in the Age of AI** [65126]
Jessica Fuda Daddio, Manny Rosa, Keiser Univ., USA
- TLET Feasting on Knowledge: Engaging Graduate Students in the Research Process Through Culinary Metaphors and AI Tools** [64205]
Rena Rockwell, Webster Univ., USA
- INTL Global Collaboration Between a Teacher Education Course in the U.S. and an Elementary School in Japan.** [64856]
Michiko Kobayashi, Southern Utah Univ., USA; Keiko Tanazawa, Yuridai Elementary School, Japan
- TLET Harnessing Generative AI for Educator Professional Development** [64422]
Steve Baule, Winona State Univ., USA
- UDL Modeling Accessibility and Universal Design for Learning in Higher Education** [64175]
Laura King, East Carolina Univ., USA
- LEAD Nurturing Creativity in the Era of Artificial Intelligence: Teacher Educators' Pedagogical Explorations From Four Universities** [64906]
Yao Fu, Univ. of Wisconsin-Whitewater, USA; Zhenjie Weng, Duke Kunshan Univ., China; Ragia Hassan, Indiana Univ. of Pennsylvania, USA; Tammy Fry Ware, MidAmerica Nazarene Univ., USA
- TLET Podcasting in Teacher Education: Collaborative Art and Technology Integration** [64226]
Angelia Reid-Griffin, Christine Liao, UNCW/Watson College of Education, USA
- EE Preparing Teachers to Teach and Assess Multimodal Writing** [64152]
Maryanne Barrett, Central Michigan Univ. and Roberts Wesleyan University, USA; Troy Hicks,

Central Michigan Univ., USA

GAI **Promising Practices for Using Artificial Intelligence in Developing Instructional Materials** [64373]

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