



CREATE at the 2025 AERA Annual Conference

Wednesday, April 23

Time: 9:00 - 10:30 am, Four Seasons Ballroom 1 (Roundtable session)

Secil Caskurlu, Kyle Dunbar, Aman Yadav, Rafi Santo, *Characteristics of Teacher Professional Development for Computational Thinking Integration in K12: Meta-Aggregation*

Time: 10:50 am - 12:20 pm, Four Seasons Ballroom 1 (Roundtable session)

Hyein Jee, Michael Lachney, Aman Yadav, Richard Hill, Andrew Lapentina, *How Co-teaching Shapes High School Computer Science Teachers' Content Knowledge and Self-efficacy: A Multi-case Study*

Time: 2:30 - 4:00 pm, Mile High Ballroom 1AB (Invited speaker session)

Aman Yadav, Anne Drew Hu, Rosa Angela Calosso, Daniel Reinholz, *AI and Educational Justice: A Critical Conversation*

Time: 4:20 - 5:50 pm, Room 702 (Symposium)

Joseph Krajcik, *The Potential of Using AI to Improve Student Learning in STEM*

Time: 4:20 - 5:50 pm, Room 702 (Symposium)

Namsoo Shin, *Transforming Student Learning with Generative AI: Insights from a Constructivist Perspective*

Thursday, April 24

Time: 1:45 - 3:15 pm, Bluebird Ballroom Room 3A (Structured poster session)

Aman Yadav, Rosa Angela Calosso, Anne Drew Hu, *Integrating AI in Teacher Education: Faculty Perspectives on Opportunities and Challenges*

Friday, April 25

Time: 8:00 - 9:30 am, Bluebird Ballroom Room 2A (Structured poster session)

Christina Schwarz, Wanjoo Ahn, Aman Yadav, Zach Opps, *Elementary Teachers' Infusion of CT in Science Lessons: Efforts and Opportunities*

Time: 7:00 - 8:30 pm, Room 112 (Business meeting)

Carla Johnson, Clausell Mathis, *Science Teaching and Learning SIG Business Meeting*

Saturday, April 26

Time: 11:40 am - 1:10 pm, Room 106 (Paper session)

Clausell Mathis, Lama Ziad Jaber, Sherry Southerland, *Tracing Different Forms of Politicized Care in Teaching Physics to Students Traditionally Underserved in Science*

Time: 1:30 - 3:00 pm, Room 103 (Paper session)

Leonora Kaldaras, Tingting Li, Kevin Haudek, Joseph Krajcik, *Learning Progression-Guided AI Evaluation of Scientific Models Integrating Writing and Drawing to Support Multi-Modal Knowledge-In-Use*

Time: 3:20 - 4:50 pm, Bluebird Ballroom Room 3F (Symposium)

Clausell Mathis, Joseph Krajcik, Ozlem Akcil Okan, Lucky Chukwudalu Nonyelum, William Van Luven, Angie Valbuena Rojas, Ehud Aviran, Andrea Wooley, Jennifer Tabb, *Cultivating Inclusivity: Redesigning Physics and Chemistry Curricula for Diverse Classrooms*

Time: 5:10 - 6:40 pm, Four Seasons Ballroom 4 (Roundtable session)

Olamide Boluwatife Ogungbemi, Michelle Fraboni, Nadia Kennedy, Melissa Garcia, Line Saint-Hilaire, Marta Cabral, Meg Ray, Aman Yadav, *Integrating Computational and Digital Literacies in Teacher Education: Understanding Pre-Service Teachers' Beliefs, Self-Efficacy, and Attitudes*

Sunday, April 27

Time: 9:50 - 11:20 am, Bluebird Ballroom Room 2F (Symposium)

Marta Cabral, Olamide Boluwatife Ogungbemi, Michelle Fraboni, Line Saint-Hilaire, Melissa Garcia, Nadia Kennedy, Meg Ray, Aman Yadav, *Learning from Pre-Service Teachers: Beliefs and Attitudes towards Computational and Digital Literacies in the Classroom*

Time: 1:30 - 3:00 pm, Four Seasons Ballroom 2-3 (Roundtable session)

Aman Yadav, Alexis Cobo, Leigh Ann DeLyser, *Catalyzing the Computer Science Education Community to Commit to Justice*