



## In Praise of Science Teachers:

Essential Partners in **Researching, Reframing, and Reforming** Science Learning



# NARST

A global organization for improving science education through research



## CREATE at the 2025 NARST Annual Conference

### Monday, March 24

*Time: 8:15 - 9:45 am, Camelia 1*

**Umesh Ramnarain, Joseph Krajcik (organizers) Tebogo Moloji, Sechaba Koma, Lereko Mohafa, Katlego Leshabne, Nolutuando Mdlalose, Mafor Penn (panelists),** *Fostering Inquiry in Southern African Schools*

*Time: 1:30 - 3:00 pm, Baltimore 4, Strand 4*

**Ozlem Akcil Okan, Clausell Mathis, Lucky Nonyelum,** *Cultural Resources in Physics Education: A Study of Culturally Responsive Curriculum Development among Secondary Teachers*

*Time: 1:30 - 3:00 pm, Baltimore 4, Strand 4*

**Clausell Mathis, Lama Jaber, Sherry Southerland,** *Pedagogical Practices and Engagement Case Study for Underserved Students.*

*Time: 1:30 - 3:00 pm, Baltimore 4, Strand 4*

**Clausell Mathis, Joseph Krajick, Ehud Aviran, Ozlem Akcil Okan, Lucky Nonyelum, William Van Luven, Angie Valbuena Rojas, Barbara Schneider,** *Fostering Inclusivity: Transforming Physics and Chemistry Curricula for Diverse Classrooms*

*Time: 1:30 - 3:00 pm, Baltimore 5, Strand 12*

**Leonora Kaldaras, Tingting Li (formerly with CREATE), Prudence Djagba, Kevin Haudek, Joseph Krajcik,** *Learning Progression-Guided AI Evaluation of Scientific Models To Support Diverse Multi-Modal Understanding in NGSS Classroom*

*Time: 1:30 - 3:00 pm, Baltimore 5, Strand 12*

**Selin Akgun (formerly with CREATE), Kevin Haudek, Leonora Kaldaras, Joseph Krajcik**, *Collaborating with Teachers to Generate ML-Based Feedback: Contextualizing and Developing Meaningful and Relevant Feedback*

*Time: 1:30 - 3:00 pm, Baltimore 5, Strand 12*

**Tingting Li (formerly with CREATE), Leonora Kaldaras, Kevin Haudek, Joseph Krajcik**, *Feedback on Utilizing Deep Learning AI to Analyze Scientific Models*

*Time: 1:30 - 3:00 pm, Baltimore 5, Strand 12*

**Peng He (formerly with CREATE)**, *Feedback to Support Students' Three-Dimensional Learning: A Large Language Model Approach*

## **Tuesday, March 25**

*Time: 8:15 - 9:45 pm, Woodrow Wilson Ballroom, Strand 7*

**Christina V Schwarz, Amber S Bismack, Jessica Bautista, Martha Canipe, Kristin L Gunckel, James B Hancock II, Amal Ibourk, Kathryn Lanouette, TJ McKenna, Meenakshi Sharma, Elizabeth A. Davis (discussant)**, *Grappling with Critical Problems of Practice within our Diverse Informal Elementary Science Teacher Education Community*

*Time: 12:45 - 2:15 pm, Baltimore 1, Strand 7*

**Wanjoo Ahn, Christina V Schwarz**, *Exploring How Equity Perceptions Are Manifested in Preservice Teachers' Practices in Elementary Science Methods Course*