Tue, 4/24

Presentation: 0211 - Length Measurement in the Early Years: Teaching with Learning Trajectories
Speakers: Julie Sarama, and Doug Clements
Session Type: Research Report
Time: 10:00 AM - 10:30 AM
Presented During: RR 11
Presented During Time: 10:00 AM - 11:15 AM
Location: Walter E. Washington Convention Center, Room 209C
Description: Measurement is critical to mathematics education, but research is limited. We previously validated a developmental progression of a learning trajectory (LT) for length. Here we focus on the instructional part. The instruction was successful and specific features of the tasks and teacher-child interaction catalyzed learning. Consistent with our hypotheses, the use of standard or multiple nonstandard units played different roles at different points in the learning trajectory.