



# MATHEMATICS EDUCATION STUDENT ASSOCIATION

## Colloquium Announcement



Taking Learning  
Trajectories to Scale in a  
Digital Learning System  
for Middle School Math

**Dr. Jere Confrey**  
North Carolina State University

**Monday, November 5<sup>th</sup> 3:30-4:30pm**  
**Aderhold Room G5**

This talk reports on the design and implementation of Math-Mapper6-8, a digital learning system hosting a learning map organized around nine big ideas, learning clusters and constructs. Underlying each construct is a learning trajectory (LT) and its associated CCSS-M standards. It is accompanied by a diagnostic assessment system for use within classroom instruction showing progress along the LTs. The talk will focus on applying the validation framework to ratio reasoning and process of continuous validation, stressing the critical role of the interdisciplinary collaboration between learning scientists and psychometricians.

**Join Dr. Confrey afterwards to discuss your thoughts in Aderhold 224 (4:30-5:30pm).**

**Meet and Greet with Graduate Students for Lunch on Nov 5<sup>th</sup>.**

*Please email [mesacolloquium@uga.edu](mailto:mesacolloquium@uga.edu) if you would like to go to the  
Meet and Greet.*