

**Dr. Rick Kubina**  
Invited Presentation

**Charting New Worlds:  
Precision Teaching Meets AI at the Edge of Tomorrow**

Stardate 2024.313: Join me on a bold voyage through the technological frontier of Precision Teaching, where no chart-maker has gone before! Our mission: to explore strange new measurement tools, to seek out new data streams and frequency-building interventions, to boldly go where no decision-making system has gone before. We will carefully move through the Precision Teaching timeline, from the primitive tricorders of paper-and-pencil Standard Celeration Charts to the holodeck simulations of digital graphing apps. But hold onto your timers, crew! We're about to warp into the uncharted territory of AI. Will the Prime Directive protect us from rogue learning algorithms, or will we need to call on Vulcans for the ultimate in data-based decision making? As we navigate this final frontier, we'll ponder whether these emerging technologies will be our Federation allies or our Klingon adversaries in the quest for behavioral improvement. Prepare for close encounters of the celerated kind as we debate if AI will be our loyal android companion like Data, helping us pinpoint precision, or if it'll go full Khan and try to rule the Precision Teaching universe. Resistance is futile - the future of data analysis is coming, and it might just be wearing a red shirt. Engage your Standard Celeration Charts and let's make it so!

**Objectives:**

- Participants will be able to describe at least three key technological advancements in Precision Teaching, from paper-and-pencil Standard Celeration Charts to current digital tools.
- Given a scenario involving AI integration in Precision Teaching, participants will identify at least two potential benefits and two potential challenges, demonstrating an understanding of the implications of advanced technology in behavioral measurement and intervention.
- Participants will be able to generate one specific example of how emerging technologies, particularly AI, might reshape their own Precision Teaching practices or decision-making processes.

**Speaker Bio:**



**Dr. Richard (Rick) Kubina** is a professor of special education at The Pennsylvania State University and co-founder of Chartlytics. Chartlytics merged with CentralReach where Kubina also serves as the director of research. Kubina has published multiple research articles, books, and book chapters on evidence-based education and measurement of student progress. He was the past Editor of the *Journal of Precision Teaching & Celeration*. Kubina works with school districts, health care professionals and organizations, and technology companies using Precision Teaching, effective practice methods, and other measurably superior educational programs.