ICTCM 2025 — AT THE EDGE OF MATH'S FUTURE

Pearson

BREAKFAST & KEYNOTE ADDRESS	BREAK
8:00–9:15 a.m.	11:30 a.m.–12:30 p.m.

SESSIONS: Friday, March 7

	9:30–10:00 a.m.	10:15–10:45 a.m.	11:00–11:30 a.m.	12:30–1:00 p.m.	1:15–1:45 p.m.	2:00–2:30 p.m.	3:00–4:30 p.m.
Commodore A	AI in Higher Ed Math & Stats Teaching with AI: Insights from a Year of Implementation Brianna Hitt *United States Air Force Academy*	AI in Higher Ed Math & Stats Data-Driven Insights: Transforming Math Education with AI and Data Brian Rickard *University of Arkansas*	AI in Higher Ed Math & Stats How to use Artificial intelligence to empower student learning Nada Alnounou *San Jacinto College*	AI in Higher Ed Math & Stats Artificial Intelligence (AI) in the Teaching and Learning of Mathematics Gilbert Eyabi *Anderson University*	Teaching Methods & Course Formats Empowering First-Generation Students in Your Mathematics Classroom Christina C *Northern Arizona University*	Before Calculus Using Gamification in the Flipped College Algebra Classroom to Increase Engagement Tarcia Hubert *Lone Star College Houston North*	Minicourses Mobile Apps for Intro Stats Bernhard Klingenberg *New College Florida*
Commodore B	Math in the Real World Spreadsheets for Quantitative Reasoning: An Excel-lent Way to Engage Your Students with Mathematics Eric Gaze *Bowdoin College*	Beyond Calculus Mathematics and Linear Algebra Jason Gregersen *Michigan Technological University*	Calculus Come Join Our Table: Calculus for Business and Life Sciences Kimberly Walters *Mississippi State University*	Math For Future Teachers Online vs Document Syllabus Kimberly Bennekin *Georgia State University, Perimeter College*	Teaching Methods & Course Formats A Great Time-Saving App on the TI-84 Plus CE Laora Brizendine *Wingate University*	Teaching Methods & Course Formats Implications for Mathematical Engagement when Everyone has iPads Erica Johnson, Ryan Gantner, Kris Green & Mark McKinzie *St. John Fisher University*	Minicourses Can AI Be Integrated with other Math Technologies? Kevin Hopkins *Southwest Baptist University*
Cambria	Before Calculus The Freehand Grader - Does it Reduce AI Math Solver Usage? Does it Improve Performance? Robert Strozak *Old Dominion University*	Math in the Real World Some of the Undergraduate Mathematics Powering Artificial Intelligence Andrew Lee & Frank Wattenberg *United States Military Academy*	Data Science The Pythagorean Theorem of Baseball - Modeling with Excel and Desmos Robert Strozak *Old Dominion University*	Statistics Transform Data into Engagement: Microsoft Excel for Interactive Statistics Classrooms Serina Alhaddad *Rollins College*	Before Calculus Enhancing Student Engagement in College Algebra with Student Response Systems and Cloud-Based Quiz Platforms Kathy Cousins-Cooper *North Carolina A&T State University*	Beyond Calculus Leveraging Accelerometers for Teaching Numerical Differentiation and Integration Vivek Singhal *University of Wisconsin Stout*	Minicourses Enhancing Math Classes with Graphic Content Donna Densmore *Bossier Parish Community College*
Britannia		Teaching Methods & Course Formats College Algebra Students' Understanding of Rational Functions Using MyMathLab Avijit Kar *Georgia State University, Perimeter College*	Teaching Methods & Course Formats The Experience from a Math 0960 Course Li Westman *Metro Community College*	Calculus Animations in Multivariable Calculus Jeffrey Clark *Elon University*			Minicourses Designing a Statistics Course that Meets the Needs of the Future Employers and the Community LaVerne Chambers *Dallas College*

SESSIONS: Saturday, March 8

BREAKFAST & KEYNOTE ADDRESS	BREAK
8:00–8:45 a.m.	11:45 a.m.–12:35 p.m.

	9:00–9:30 a.m.	9:45–10:15 a.m.	10:30–11:00 a.m.	11:15–11:45 a.m.	12:30–2:00 p.m.
Commodore A	AI in Higher Ed Math & Stats **Reduce Your Brain Strain with AI** **Edouard Tchertchian** *Los Angeles Pierce College*	AI in Higher Ed Math & Stats **Moving The Decimal To The Right: Artificial Intelligence (AI) In Mathematics Education** **Hope Essien** *Malcolm X College (One of the City Colleges of Chicago)*	AI in Higher Ed Math & Stats **Our Class SI is the "infamous" AI** **Rodica Cazacu** *Georgia College & State University*	Teaching Methods & Course Formats **You Truly Can Do It: Math Videos Made Easily** **Kristina Sampson** *Lone Star College- CyFair*	Minicourses **Enhancing Math Classes with Graphic Content** **Christina Dwyer** *State College of Florida, Manatee-Sarasota*
Commodore B	Math in the Real World **Successful Math Pathways: How Students are Finding Math in Their World** **Kimberly Walters** *Mississippi State University*	Math in the Real World **3D Printing Projects that Demonstrate Math Concepts** **Nora Strasser** *Friends University*	Statistics **Using M&Ms to Introduce Chi-Squared Goodness-of-Fit Test** **Carla Hill** *Marist College*	Before Calculus **Lights, Camera, Action: Making Algebra Resources Reel** **Jennifer Whitfield** *Texas A&M University*	Minicourses **Neurodiversity and Inclusive Group Project Design - A Business Statistics Class Example** **Annie Ngo** *MiraCosta College*
Cambria	Teaching Methods & Course Formats **Creating Effective Videos for Teaching Mathematics with PowerPoint** **Thomas Klein** *Marshall University*	Calculus **Online Course Creation with "Interactive Calculus"** **Jason Gregersen** *Michigan Technological University*	Beyond Calculus **A Statistical Analysis of Launched Projectiles** **Paul Bouthellier** *Pitt-Greensburg*	Beyond Calculus **Solving non-linear polynomial equations by Excel** **Nadeem Aslam** *Florida International University*	Minicourses **Key Technologies for Promoting Student Engagement in Online Math Courses** **Virginia Thompson** *CUNY York College*
Britannia	Statistics **Simple & Multiple Regression** **Bernhard Klingenberg** *New College Florida*	Teaching Methods & Course Formats **Enhancing Student Engagement Through Personalized Merge Emails** **Ivette Chuca** *El Paso Community College*	Teaching Methods & Course Formats **Leveraging Technology in Teacher Preparation: GeoGebra as a Discovery Tool** **Yong Colen** *Indiana University of Pennsylvania*	Statistics **Navigating Teaching Statistics When Everyone's Phone Is Also A Casino** **Jason Gershman** *Nova Southeastern University*	Minicourses **Integrating AI Tools to Enhance Teaching and Learning** **Brianna Hitt & Jessica Hauschild** *United States Air Force Academy*