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.	MINICOURSES 3:00–4:30 p.m.
Commodore A	AI in Higher Ed Math & Stats	AI in Higher Ed Math & Stats	AI in Higher Ed Math & Stats	AI in Higher Ed Math & Stats	AI in Higher Ed Math & Stats	AI in Higher Ed Math & Stats	AI in Higher Ed Math & Stats
	Teaching with AI: Insights from a Year of Implementation **Brianna Hitt** *United States Air Force Academy*	Data-Driven Insights: Transforming Math Education with AI and Data **Brian Rickard** *University of Arkansas*	AI Hacks for Math Teachers: Teach Smarter, Not Harder! **Vinay Kanth Rao Kodipelly** *University of Missouri*	Artificial Intelligence (AI) in the Teaching and Learning of Mathematics **Gilbert Eyabi** *Anderson University*	Exploring Synergy in STEM: Cognitive Enhancement and Human-Computer Interaction **Anass Bayaga** *University of the Western Cape*	The Impact of Artificial Intelligence on the Workforce and Mathematics **Dr Shannon Solis,** *Prairie View A&M University* **Dr Gregory Newman,** *UT Dallas* **Dr Tonya Cooper,** *Collin College*	Enhancing Your Teaching with AI: Tools and Strategies for Educators **Jessica Bernards** *Portland Community College*
Commodore B	Math in the Real World	Teaching Methods & Course Formats	Math in the Real World	Math for Future Teachers	Math for Future Teachers	Math for Future Teachers	Statistics
	Spreadsheets for Quantitative Reasoning: An Excel-lent Way to Engage Your Students with Mathematics **Eric Gaze** *Bowdoin College*	Use Camtasia to Create Professional Videos **Callie Daniels** *St. Charles Community College*	Student Experiences (Good, Bad, Ugly): Using Intelligent Tutoring Systems and How to Mass Individualize Learning **Christian Jarquin** *Miami Dade College*	Online vs. Document Syllabus **Kimberly Bennekin** *Georgia State University, Perimeter College*	Understanding Solids Through Design **Barbara Johnson** *Indiana University, Indianapolis*	Technology in Math Courses for Preservice Teachers **Barbara Boschman & Brian Beaudrie** *Northern Arizona University*	Mobile Apps for Intro Stats **Bernhard Klingenberg** *New College Florida*
Cambria	Before Calculus	Before Calculus	Before Calculus	Before Calculus	Before Calculus	Before Calculus	AI in Higher Ed Math & Stats
	20 Tips from 20 Years of using MyLab® Math **Stephanie Kurtz, Sheri Goings & Lindsay Waddell** *Louisiana State University Baton Rouge*	Prep for Corequisite Math: Math Jams/Labs, Mini Courses/Workshops, Soft Skills **Jamie Blair,** *Orange Coast College* **Anne Fischer,** *Tulsa Community College* **Jennifer Crawford,** *Normandale Community College*	Integer Solutions for a Three-Logarithm Equation Using Technology **Eric Hutchinson** *College of Southern Nevada*	The Intersection of Geometry and Algebra: A Visual Path to Factoring **Mohammad Ganjizadeh** *Tarrant County College*	Enhancing Student Engagement in College Algebra with Student Response Systems and Cloud-Based Quiz Platforms **Kathy Cousins-Cooper** *North Carolina A&T State University*	Using Gamification in the Flipped College Algebra Classroom to Increase Engagement **Tarcia Hubert & Tracy Samuel** *Lone Star College Houston North*	Let's Share Technology from AI to Z **Mari Menard** *Lone Star College, Kingwood*
Britannia	Beyond Calculus	Beyond Calculus	Calculus	Calculus	Calculus	Calculus	Statistics
	Small-world Networks: An Experiential Learning Approach **Dana Fine** *University of Massachusetts Dartmouth*	Mathematics and Linear Algebra **Jason Gregersen** *Michigan Technological University*	Come Join Our Table: Calculus for Business and Life Sciences **Kimberly Walters** *Mississippi State University*	Animations in Multivariable Calculus **Jeffrey Clark** *Elon University*	The Variable Rotation of the Earth **Jay Villanueva** *Miami Dade University*	Calculus for a Sustainable Future: Desmos, Commerce, and Climate Change **Brianna Kurtz** *University of Virginia*	Designing a Statistics Course that Meets the Needs of the Future Employers and the Community **LaVerne Chambers** *Dallas College*
Aurora	Teaching Methods & Course Formats	Before Calculus	Before Calculus	Statistics	Teaching Methods & Course Formats	Teaching Methods & Course Formats	Teaching Methods & Course Formats
	Engage With Desmos Through Self Checking Activities **Katie Pridemore** *Valencia College*	College Algebra Students' Understanding of Rational Functions Using MyMathLab® **Avijit Kar** *Georgia State University, Perimeter College*	The Experience from a Math 0960 Course **Li Westman** *Metro Community College*	Transform Data into Engagement: Microsoft Excel for Interactive Statistics Classrooms **Serina Alhaddad** *Rollins College*	Learn how a KiSS a day keeps learning loss away **Carla van de Sande** *Arizona State University*	Implications for Mathematical Engagement when Everyone has iPads **Erica Johnson, Ryan Gantner, Kris Green & Mark McKinzie** *St. John Fisher University*	Enhancing Math Classes with Graphic Content **Donna Densmore** *Bossier Parish Community College*
Sovereign	Teaching Methods & Course Formats	Statistics	Data Science	Teaching Methods & Course Formats	Teaching Methods & Course Formats	Beyond Calculus	AI in Higher Ed Math & Stats
	Turning Math Frustration into Success **Ali Ahmad** *Dallas College*	Implementing GAISE Updates Through Approachable Technology Use in Statistics Classrooms **Anna Plantinga** *Williams College*	The Pythagorean Theorem of Baseball - Modeling with Excel and Desmos **Robert Strozak** *Old Dominion University*	Creating an Ideal Textbook with Your Students in Mind **Jennifer Shloming** *Fashion Institute of Technology*	Empowering First-Generation Students in Your Mathematics Classroom **Christina C** *Northern Arizona University*	Leveraging Accelerometers for Teaching Numerical Differentiation and Integration **Vivek Singhal** *University of Wisconsin Stout*	Can AI Be Integrated with other Math Technologies? **Kevin Hopkins** *Southwest Baptist University*

BREAKFAST & KEYNOTE ADDRESS
8:00–9:00 a.m.

BREAK
11:45 a.m.–12:35 p.m.

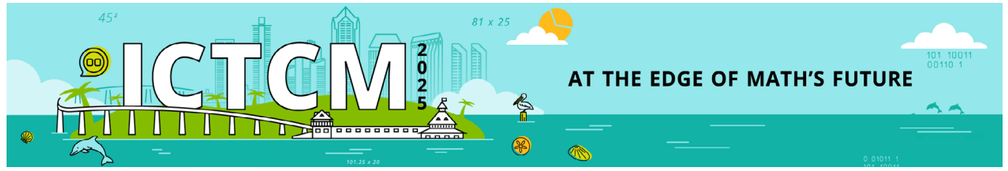
Pearson

SESSIONS: Saturday, March 8

	9:00–9:30 a.m.	9:45–10:15 a.m.	10:30–11:00 a.m.	11:15–11:45 a.m.	MINICOURSES 12:30–2:00 p.m.
Commodore A	AI in Higher Ed Math & Stats	AI in Higher Ed Math & Stats	AI in Higher Ed Math & Stats	Teaching Methods & Course Formats	AI in Higher Ed Math & Stats
	Reduce Your Brain Strain with AI Edouard Tchertchian *Los Angeles Pierce College*	Moving the Decimal to the Right: Artificial Intelligence (AI) in Mathematics Education Hope Essien *Malcolm X College (One of the City Colleges of Chicago)*	Our Class SI is the "Infamous" AI Rodica Cazacu *Georgia College & State University*	You Truly Can Do It: Math Videos Made Easily Kristina Sampson *Lone Star College- CyFair*	Integrating AI Tools to Enhance Teaching and Learning Brianna Hitt & Jessica Hauschild *United States Air Force Academy*
Commodore B	Teaching Methods & Course Formats	Teaching Methods & Course Formats	Teaching Methods & Course Formats	Teaching Methods & Course Formats	Teaching Methods & Course Formats
	Creating Effective Videos for Teaching Mathematics with PowerPoint Thomas Klein *Marshall University*	Enhancing Student Engagement Through Personalized Merge Emails Ivette Chuca *El Paso Community College*	Guiding Students using MyLab Math Deep Links in Canvas Dynechia Jones & Imarlena Batiste *Baton Rouge Community College*	Flipping the Classroom: Enhancing Engagement with PlayPosit, Loom, and Notability Kristen Weddington *Indianapolis School of Science*	Key Technologies for Promoting Student Engagement in Online Math Courses Virginia Thompson *CUNY York College*
Cambria	Calculus	Calculus	Beyond Calculus	Beyond Calculus	Data Science
	Visual Understanding with GeoGebra Exercises in Calculus & Precalculus Aaron Warnock *Pearson*	Online Course Creation with "Interactive Calculus" Jason Gregersen *Michigan Technological University*	A Statistical Analysis of Launched Projectiles Paul Bouthellier *Pitt-Greensburg*	Solving Non-Linear Polynomial Equations by Excel Nadeem Aslam *Florida International University*	Enhancing Classroom Learning with Rguroo: Teaching Statistics and Data Science Using Online Software Mori Jamshidian *California State University, Fullerton*
Britannia	Statistics	Math in the Real World	Statistics	Statistics	Statistics
	Simple & Multiple Regression Bernhard Klingenberg *New College Florida*	3D Printing Projects that Demonstrate Math Concepts Nora Strasser *Friends University*	Using M&Ms to Introduce Chi-Squared Goodness-of-Fit Test Carla Hill *Marist College*	Navigating Teaching Statistics when Everyone's Phone is also a Casino Jason Gershman *Nova Southeastern University*	Harnessing R Shiny to Enhance Conceptual Understanding in Statistics Education Jakob Oetinger *University of Montana*
Aurora	Math for Future Students	Before Calculus	Before Calculus	Before Calculus	Before Calculus
	Dynamic Geometry Software Preferences for Preservice Brian Beaudrie *Northern Arizona University*	Vector Vision: Exploring Old and New School Representations Nikita Patterson *Georgia State University - Perimeter College*	Quadratic Polynomial Space in Two Dimensions: Visualizing Structure and Relationships Timor Sever *Houston Community College*	Lights, Camera, Action: Making Algebra Resources Reel Jennifer Whitfield & Fernando Chavarria *Texas A&M University*	Enhancing Math Classes with Graphic Content Christina Dwyer *State College of Florida, Manatee-Sarasota*
Sovereign	Math in the Real World		Teaching Methods & Course Formats	Teaching Methods & Course Formats	Statistics
	Successful Math Pathways: How Students are Finding Math in Their World Kimberly Walters *Mississippi State University*		Concrete Fading with Tape Diagrams and its Effects on Students in High School Math Lisa Chan *Arcadia University*	Enhancing Student Engagement and Cultivating a Sense of Belonging in an Online Mathematics Course Rabia Shahbaz *Georgia Gwinnett College*	Neurodiversity and Inclusive Group Project Design - A Business Statistics Class Example Annie Ngo *Mira Costa College*

Contributed Sessions

	Lenore
9:00–9:15 a.m.	Calculus GeoGebra Activities for Visualizing Key Calculus Concepts Przemyslaw Bogacki *Old Dominion University*
9:30–9:45 a.m.	Beyond Calculus Open-Ended Questions in Linear Algebra Vesna Kilibarda *Indiana University Northwest*
10:00–10:15 a.m.	Corequisite / Pathways Early Pathways into Undergraduate Research: Upskilling at West Point William Reynolds *United State Military Academy, West Point*
10:30–10:45 a.m.	Calculus Use of Maple in Visualization and Evaluation of 3-D Volumes Somasundaram Velummylum *Claflin University*



KEYNOTE INFORMATION

Friday, March 7
8:00–9:15 a.m.

Francis Su, *Harvey Mudd College*

Building Virtues, Not Just Skills

A great education does more than prepare students for careers. It should also shape their characters, equipping them with virtues that will allow them to navigate a complicated world. Virtues are dispositions that shape a person's character and enable them to flourish—such as creativity, persistence in problem-solving, and intellectual humility. Sadly, math education often focuses solely on procedural skills. I'll discuss why virtues have always been more important than skills, and urge us to retain what's essential in math education (its humanness) in an age where AI is causing people to re-evaluate what an education really for.

Saturday, March 8
8:00–9:00 a.m.

Chris Hess, *Director of AI Product Management*
Amy Eguchi, *University of California - San Diego*
Brianna Hitt, *United States Air Force Academy*
Christopher Scott Vaughen, *Montgomery County Community College*

Empowering Education: The Future of AI-Driven Learning in Mathematics

The integration of AI in education is transforming how learning happens, providing new pathways for engagement, personalization, and inclusivity. Join Pearson's Director of AI Product Management, Chris Hess, along with thought leaders on the front lines of math and statistics teaching and learning to explore the broader implications of AI's impact on education, moving beyond the traditional confines of the classroom to look at how AI can revolutionize learning experiences. This session will address the opportunities and challenges inherent in integrating AI in education, such as balancing innovation with ethical considerations and ensuring equitable access. Attendees will gain a comprehensive understanding of AI's potential to foster a more engaging, effective, and future-ready educational landscape.

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On-Demand Sessions

Math in the Real World	Calculus
Integrating Math Modeling and 3D Printing Technology in Mathematics Instruction **Reuben Asempapa** *Penn State Harrisburg*	Using Open Pedagogy in a Calculus 2 Course to Enhance Student Learning **Ronnie Brown** *University of the District of Columbia Community College*
Math for Future Teachers	**Beyond Calculus**
Geometry for Preservice Teachers: Using Geogebra to Increase Student Engagement **Thomas Fox** *University of Houston - Clear Lake*	Open-Ended Questions in Linear Algebra **Vesna Kilibarda** *Indiana University Northwest*
Corequisite / Pathways	**Calculus**
Exploring the Role of AI in Supporting Mathematical Writing **Minsu Kim** *University of North Georgia*	From Tangents to Technology: Mastering the Mean Value Theorem in Calculus **Beth Riggs & Nancy Summer** *Tarleton State University*
Teaching Methods & Course Formats	
From Mundane to Meaningful: Revitalizing Online Discussions **Cindy York** *Northern Illinois University*	