ICTCM 2024
At the Edge of Math's Future

Pearson

SESSIONS: Friday, March 8

BREAKFAST & KEYNOTE ADDRESS	INNOVATION LAB HOURS
8:00 a.m.	11:30 a.m.–12:30 p.m.; 2:30–3:00 p.m.

	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.	3:00–3:30 p.m.	3:45–4:15 p.m.
Pelican 1	Teaching Methods & Course Formats	Teaching Methods & Course Formats	Before Calculus	Teaching Methods & Course Formats	Before Calculus	Before Calculus	Calculus	Beyond Calculus
	Balancing the Equation: Navigating Equitable Grading in Mathematics Education Jessica Bernards & Wendy Fresh *Portland Community College*	Success Module Strategy in General Education Math Courses Rachid Ait Maalem Lahcen & Ram Mohapatra *Central Florida University*	Spreadsheets for Quantitative Reasoning: An Excel-lent Way to Engage Students Eric Gaze *Bowdoin College*	Leveraging the Full Power of Video Instruction Jason Gregersen *Michigan Technological University*	TBD Elayn Martin Gay *University of New Orleans*	Patching Those Algebra Holes with Co-Req Labs and Content Wendy Traynor *Emory & Henry College*	Teaching and Learning Calculus II with the TI Navigator System and TI-Nspire CX CAS Cristal Schoen *Stephen F. Austin State University*	A GeoGebra Illustrator for Eigenvalues and Eigenvectors Part II Michael Warren *Tarleton State University*
Pelican 2	Corequisites/Pathways	Statistics	Teaching Methods & Course Formats	Statistics	Teaching Methods & Course Formats	Data Science	Beyond Calculus	Beyond Calculus
	An Alternate Pathway to Success Kimberly Walters *Mississippi State University*	The Perfect Statistics Course Marty Triola *Dutchess Community College*	Exploiting Modern Tools to Streamline Lesson Preparation Si Park *United States Military Academy*	Introductory Statistics Student Engagement with StatCrunch Laurelin Waites *University of South Alabama*	Are You Tired of the Excuses? Donna Densmore *Bossier Parish Community College*	Steps Towards Data Science Rob Gould *UCLA*	Combining Video Lessons and the Thayer Method in Advanced Mathematics Ryan Allaire *United States Military Academy*	zMap and zCalc: Tools to Enhance Complex Analysis Bert Wachsmuth *Seton Hall University*
Algiers A	AI in Higher Ed Math	AI in Higher Ed Math	AI in Higher Ed Math	AI in Higher Ed Math	AI in Higher Ed Math	Teaching Methods & Course Formats	Teaching Methods & Course Formats	Teaching Methods & Course Formats
	The Freehand Grader - Does it Reduce AI Math Solver Usage? Does it Improve Performance? Robert Strozak *Old Dominion University*	The Future of Education: Exploring the Role of AI in Teaching Brian Rickard *University of Arkansas*	Students' use of ChatGPT in a Linear Algebra Course Andrew Lee *United States Military Academy*	AI Project for Preservice Teachers Barbara Boschmans *Northern Arizona University*	Concept Visualization Leveraging Generative AI Joseph Maxwell *United States Military Academy*	It's NOT Cheating, It's Collaboration Rodica Cazacu *Georgia College & State University*	Technology Activities in College Mathematics Courses Brad Davis *Pensacola Christian College*	How Software Can Transform the Virtual Math Classroom into a Thinking Classroom Karishma Punwani *Maplesoft*
Algiers B	Data Science	Beyond Calculus	Calculus	Beyond Calculus	Beyond Calculus	Math For Future Teachers	Math For Future Teachers	Math For Future Teachers
	Data Sets on Climate Change using StatCrunch Ryan Hedstrom *University of New England*	N-body Simulation of Binary Star Mass Transfer Using NVIDIA GPUs Bryant Wyatt *University of Arkansas*	Empowering Students with Responsibility Via Flipping Calculus Paula Stickles *Millikin University*	Computer Aided Mathematics in Ordinary Differential Equation Peter White *Tarleton State University*	Tutor and Data Management of Hybrid Delivery Precalculus Math Lab Sheri Goings *Louisiana State University*	Understanding Solids Using Technology Barbara Johnson & Kristen Weddington *Indiana University Purdue University Indianapolis*	Fibonacci Gems To Foster Engagement In A Pre-Service Teacher Course Jay Schiffman *Rowan University (emeritus)*	Tech-Enhanced Mathematics for EC-6 Preservice Teachers - No Calculators Allowed! Kathy Smith & Beth Riggs *Tarleton State University*
Algiers C	Teaching Methods & Course Formats	Before Calculus	Math For Future Teachers	Teaching Methods & Course Formats	Teaching Methods & Course Formats	Teaching Methods & Course Formats	Teaching Methods & Course Formats	Calculus
	A Great Time-Saving App on the TI-84 Plus CE Laora Brizendine *Wingate University*	Supporting Geometric-Thinking and Math Modeling through 3D Printing Technology Reuben Asempapa *Penn State Harrisburg*	Using Instructor-Created Videos to Teach Mathematics for Elementary Teachers Thomas Klein *Marshall University*	Creating Math Videos in a SNAP! Kristina Sampson *Lone Star College - Cy Fair*	A Tech Wish or Two – Let's Chat! Mari Menard *Lone Star College - Kingwood*	How to Create Accessible Documents Using Latex and MathML Jose Villalobos *Compton Community College*	Educational Burnout! Are You or Your Students Burnout? What Are You Doing About It? Hope Essien & Evans Alexis *Malcolm X College*	Easy Mathematical Polling Nora Strasser *Friends University*
Poydras				Teaching Methods & Course Formats				
	TBD Evan Siegel *Georgia State University*	TBD Carrie Grant *Flagler College*		A Generalization of the Isis Problem Nick Haverhals *St. Cloud University*				

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SESSIONS: Saturday, March 9

BREAKFAST & KEYNOTE ADDRESS	FEATURED EXHIBITOR HOURS
8:00 a.m.	11:45 a.m.–12:45 p.m.

	9:30–9:30 a.m.	9:45–10:15 a.m.	10:30–11:00 a.m.	11:15–11:45 a.m.	12:45–1:15 p.m.	1:30–2:00 p.m.
Pelican 1	Statistics Resampling on Your Phone Bernhard Klingenberg *New College Florida*	Teaching Methods & Course Formats Easiest. Videos. Ever. Ilona Kletskin *Ontario Tech University*	Data Science General Education Data Science: Getting Students and Faculty Started with Data Science for All Hunter Glanz & Brennan Davis *California Polytechnic State University*	Statistics Multivariant Thinking in Introductory Statistics Michael Sullivan *Florida Southwestern College*	Teaching Methods & Course Formats Academic Connection in a Post-Twitter World Rebecca Wong *West Valley College*	Corequisites/Pathways Creating and Implementing a Corequisite Support Course for College Algebra Stephanie Kurtz *Louisiana State University Baton Rouge*
Pelican 2	Teaching Methods & Course Formats Getting Students to Read the Syllabus (or at least some of it!) Scott Demsky *Broward College*	Math For Future Teachers Let's Get Our "Hands-On" Some Mathematics Using Virtual Manipulatives Nikita Patterson *Georgia State University – Perimeter College*	Teaching Methods & Course Formats Elements of Math Academy: Preparing Students for Transfer-Level Mathematics Marlow Lemons & Malinni Roeun *El Camino College*	Beyond Calculus Using Dynamic Software to Model Non-Euclidean Geometry Brian Beaudrie *Northern Arizona University*	Before Calculus Desmos' Penny Circle Activity: Enhanced Analysis and Data Pooling Scott Sinex *Prince George's Community College*	Corequisites/Pathways Streamlining Instruction in Collegiate Mathematics Courses Catherine Putnam *Delta State University*
Algiers A	Beyond Calculus Integrating OneNote and Geogebra Differential Equations Ravathi Narasimhan *Kean University*	Data Science Identifying Anomalous ER Claims Using Heirarchical Clustering and Random Forests Jesse Crawford *Tarleton State University*	Beyond Calculus Finding the Optimal Path Through a Weighted Grid Paul Bouthellier *University of Pittsburgh - Greensburg*	Teaching Methods & Course Formats Flipped Classrooms and Supplemental Instruction: Mathematics Engagement Through Multiple Modalities Clayton Kitchings, Katie Clark, Charity Hefner, Morgan Daniel & Leslie Davidson-Rossier *University of North Georgia*	Calculus Conceptual Development of Limits with Delta-Epsilon? Precisely! Beth Riggs and Nancy Summer *Tarleton State University*	Calculus What is this Business About Calculus? Kimberly Walters *Mississippi State University*
Algiers B	Math in the Real World Capturing Your Math Students' Attention with Smartphone Photography Frank Wattenberg *United States Military Academy (emeritus)*	Beyond Calculus Using R in Linear Algebra and Numerical Analysis Joe Stickles *Millikin University*	Statistics Full-Semester Statistics Project Carla Hill *Marist College*	Beyond Calculus Excursions Without Recursion Erica Johnson *St. John Fisher College*	Corequisites/Pathways Post COVID-19: Building Students' Mathematics Confidence? Why? How? When? Ali Ahmad *Dallas College*	Beyond Calculus Parallel Computing Using R and a Raspberry Pi Cluster Keith Emmert *Tarleton State University*
Algiers C	Before Calculus Calculator Use Before Formal Concept Acquisition Myrna La Rosa & Rodrigo Carraminana *Triton College*	Teaching Methods & Course Formats Labs for Math? Using Mathematics to Challenge and Engage Students Jason Gregersen *Michigan Technological University*	Before Calculus The Right Mix: Customizing Pre-Calculus Course with OER and UDL Alison Bonner *Penn State University*	Teaching Methods & Course Formats A Brief Introduction to Online Course Review Using Quality Matters Rubric Adam Chekour *University of Cincinnati - Blue Ash College*	Teaching Methods & Course Formats Balancing the Books with OER Tanya Easley *Lone Star College - Kingwood*	Teaching Methods & Course Formats Python and Open-Source Materials in a Discrete Mathematics Course Kathy Pinzon, Mohamed Jamaloodeen, Joshua Roberts, Sebastien Siva & Daniel Pragel *Georgia Gwinnett College*

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PRE-CONFERENCE WORKSHOPS: Thursday, March 7

	8:00–9:45 a.m.	10:00–11:45 a.m.	1:00–2:45 p.m.	3:00–4:45 p.m.
Acadian 1	*MYLAB MATH CERTIFICATION*			
	TBD	TBD	TBD	TBD
Acadian 2	*MYLAB MATH*			
	TBD	TBD	TBD	TBD
Pelican 1		*Pre-Conference Session*		
		TBD	TBD	TBD

MINI-COURSES: March 8 & 9   DON'T MISS: Breakfast & Keynote Address 8:00 a.m.

	Friday, 10:00–11:30 a.m.	Friday, 12:30–2:00 p.m.	Friday, 2:30–4:00 p.m.
Acadian 1	Make Your Own DESMOS applets for Calculus I Matthew Kennedy *Ivy Tech Community College*	Enhancing Interactive Learning: Introducing H5P and Smart Import, An AI Driven Content Creator Gabi Booth *Daytona State College*	Visualizing Calculus, Multivariable Calculus and Differential Equations Using CalcPlot3D Paul Seeburger *Monroe Community College*
	Saturday, 9:00–10:30 a.m.	**Saturday, 10:45–12:15 p.m.**	**Saturday, 12:45–2:15 p.m.**
Acadian 1	Building Community with Accountability and Equity in Online Statistics Alana & Steven Tucky *Jackson College*	Effectiveness of Personalized Homework in MyLabs Math for College Intermediate Algebra Courses Kristen Weddington *Indiana University Purdue University*	Unlocking MyOpenMath: Building, Customizing, and Coding Your Courses! Eric Hutchinson *College of Southern Nevada*
	Friday, 10:00–11:30 a.m.	**Friday, 12:30–2:00 p.m.**	
Acadian 2	Mobile Apps for Learning and Teaching Statistics Bernhard Klingenberg *New College Florida*	Programming Precalculus with Python Lisa Kauffman *College of Southern Nevada*	
	Saturday, 9:00–10:30 a.m.		
Acadian 2	Using CalcPlot3D & Cura to 3D-Print Surfaces in Calculus and Beyond Paul Seeburger *Monroe Community College*		

CONTRIBUTED SESSIONS: Friday, March 8

	10:00–10:15 a.m.	10:30–10:45 a.m.	11:00–11:15 a.m.	11:30–11:45 a.m.	12:30–12:45 p.m.	1:00–1:15 p.m.	1:30–1:45 p.m.	2:00–2:45 p.m.
Frenchman 2	OPTIMUM Interactions: Effective Online Mathematics Tutoring Nicole Infante & Kieth Gallagher *University of Nebraska at Omaha* Debora Moore-Russo *University of Oklahoma*	Document vs. Interactive Syllabus Kimberly Bennekin *Perimeter College at Georgia State University*	Mathematical Modeling and Analysis of Onchocerciasis Transmission with a Focus on Ivermectin Resistance Christopher Mitchell *Tarleton State University*	Using Excel to Teach Elementary Statistics Deborah Shepherd *Louisiana State University Shreveport*	TBD	TBD	TBD	TBD

CONTRIBUTED SESSIONS – VIRTUAL

Using GeoGebra Notes for Synchronous Online Mathematics and More Thomas Cooper *University of North Georgia*	Sea Ice or Floating Frozen "Sea Water": Comparing Extent vs. Area Scott Sinex *Prince George's Community College*	Unlocking Learning Potential: Rethinking Take-Home Mathematics Assessments in the Age of ChatGPT Angie Hodge-Zickerman & Cindy York *Northern Arizona University*	STEM vs. Non-STEM Corequisites: Lessons From Two States in Reform Kathy Almy *Rock Valley College*	A Brief Guide to Creating and Grading Assignments Using the Freehand Grader in MyLab Math Precious Andrew *University of New Mexico – Valencia Campus*