

Workshops | Thursday, March 16

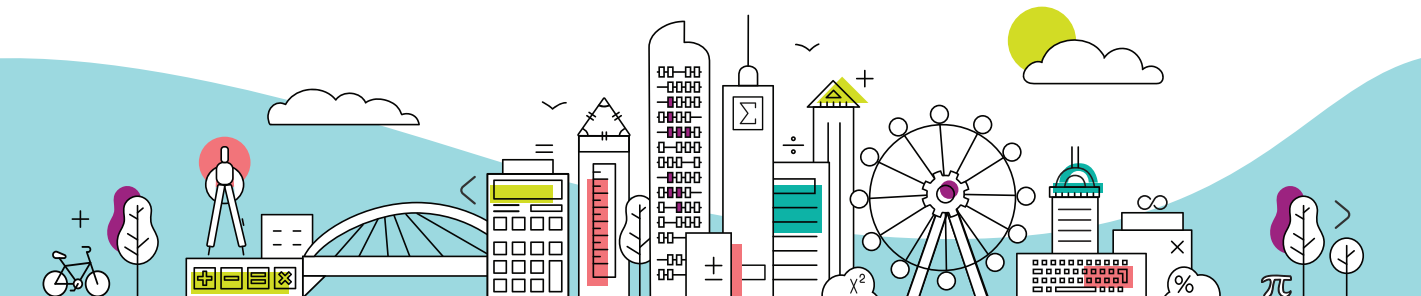
8:00am - 8:45am	8:45am - 4:15pm	12:00pm - 4:30pm	12:00pm - 12:45pm	5:00pm - 6:30pm
Breakfast (MyLab Participants)	MyLab Certification Sessions	Pre-Conference Session	Lunch (MyLab & Pre-Conference Attendees)	Welcome Reception & Innovation Lab

Mini-Courses | Friday, March 17

8:00am KEYNOTE ADDRESS & BREAKFAST	
How Can We Prepare Today's Students for their Data-empowered Futures? Chris Wiggins <i>Columbia University</i>	
Mt. Columbia	Mt. Oxford
Gamify Your Assessments to Teach Error Self-Correction Andrew Browne <i>Valencia College</i>	Creating Mathematics Videos Using an iPad Pro and Explain Everything to Flip the Classroom Cathy Frey <i>Norwich University</i>
11:30am - 12:30pm LUNCH BREAK	
Saving the Expository Gestalt (One Bulb at a Time) Julie Tarr <i>Pima Community College</i>	Using Excel For Modeling and Template Construction in Service Courses Mike May <i>St. Louis University</i>
Student-Centered Learning in the Statistics Classroom (as well as other courses!) Jennifer Stoudt <i>Brightpoint Community College</i>	Multi-Modality Success Strategies Jamie Blair <i>Orange Coast College</i> Anne Fischer <i>Tulsa Community College</i> Jennifer Crawford <i>Normandale Community College</i>
4:30pm - 6:30pm ICTCM CELEBRATION	

Mini-Courses | Saturday, March 18

8:00am KEYNOTE ADDRESS & BREAKFAST	
Video-Guided Learning in Collegiate Mathematics Rachel Vincent-Finley <i>Southern University</i> Herb Kunze <i>University of Guelph</i> Jason Gregersen <i>Michigan Technological University</i>	
Mt. Columbia	Mt. Oxford
T3: Tech for Teaching Teachers Tanya Easley <i>Lone Star College Kingwood</i>	Learning Activities for Calculus using 3D-Printed Surfaces Paul Seeburger <i>Monroe Community College</i> Shelby Stanhope <i>US Air Force Academy</i>
Residue Designs with LaTeX and Geogebra: Computer Generated Conjecture Mike McConnell <i>Clarion University</i>	The Life of a Mathematician in the Technology (21st) Century Frank Wattenberg <i>United States Military Academy (Emeritus)</i> Glenn Ledder <i>University of Nebraska-Lincoln</i> Margo Lynn Mankus
Creating Multiple Versions of Test Questions Using Excel Mary Jane Sterling <i>Bradley University</i>	The Use of Maple in a Calculus Course Matthew Westerhoff & Justin Cox <i>Northern Virginia Community College</i>



	Maroon Peak	Mt. Wilson	Mt. Harvard	Mt. Yale
9:30am-10:00am	<p>Calculus Exercises and 3D Printing</p> <p>Eric Schulz <i>Walla Walla Community College</i> Calculus</p>	<p>Let's TALQ: Fostering Engagement through Online Discussions</p> <p>Nadine Wolff <i>Kapi'olani Community College</i> Teaching Math Online</p>	<p>Hypothesis tests, confidence intervals, correlation and regression in StatCrunch</p> <p>Ryan Hedstrom <i>University of New England</i> Statistics</p>	<p>Want hours back in your life? Let's talk grading!</p> <p>Bonnie Rosenblatt <i>Pearson</i> MyLab</p>
10:15am - 10:45am	<p>A Strategic Use of Technology: Finding the Perfect Balance</p> <p>Brian Rickard <i>University of Arkansas</i> Before Calculus</p>		<p>Teach Math to Pre-service Teachers Using a Computational Thinking Framework</p> <p>Lori Sheetz <i>Mount Saint Mary's University</i> Math Ed/Teacher Prep</p>	<p>Statistics for Preservice Teachers with CODAP</p> <p>Barbara Boschmans, Brian Beaudrie & Angie Hodge-Zickerman <i>Northern Arizona University</i> Math Ed/Teacher Prep</p>
11:00am - 11:30am	<p>Graphs I Can't Draw By Hand</p> <p>Robert Banik <i>Mississippi State University</i> Calculus</p>	<p>Help Students Effectively Learn from Videos</p> <p>Jessica Bernards & Wendy Fresh <i>University of Oregon/Portland Community College</i> Teaching Math Online</p>	<p>Evolution of Flipping Two Courses: How the Pandemic Made Me A Better Teacher</p> <p>Paula Stickle <i>Millikin University</i> Pedagogy</p>	<p>Flipped Classrooms and Upside Down Blackboards</p> <p>Joy D'Andrea <i>University of South Florida Sarasota-Manatee</i> Statistics</p>

11:30am - 12:30pm **BREAK (LUNCH ON OWN)**

12:30pm - 1:00pm	<p>The Earth as a Spinning Top</p> <p>Jay Villanueva <i>Miami Dade College</i> Beyond Calculus</p>	<p>Spreadsheets for Quantitative Reasoning</p> <p>Eric Gaze <i>Bowdoin College</i> Quantitative Reason</p>	<p>Pros and Cons of the Apple iPad, Microsoft Surface, and Wacom Intuos Devices When Teaching Mathematics</p> <p>Gabriel Mendoza <i>El Paso Community College</i> Gerardo Quintero <i>Dona Ana Community College</i> Teaching Math Online</p>	<p>The Preparation Task Document: An Evolution of an Effort Journal</p> <p>Erica Johnson <i>St. John Fisher University</i></p>
1:15pm - 1:45pm	<p>Designing Problems with Nice Solutions for Improved Instruction and Learning</p> <p>Ryan Allaire, Margaret Reynolds & Andrew Lee <i>United States Military Academy</i> Beyond Calculus</p>	<p>What Is a P-Value?</p> <p>Michael Sullivan III <i>Florida SouthWestern State College</i> Statistics</p>	<p>Pathways to Mathways</p> <p>Kimberly Walters <i>Mississippi State University</i> Corequisite</p>	<p>Real or Imaginary Connection - Grades & MyLab Math</p> <p>Mari Menard <i>Lone Star College Kingwood</i> Before Calculus</p>
2:00pm - 2:30pm	<p>Exploring the limits of various functions using online Desmos graphing calculator</p> <p>Lucie Mingla <i>LaGuardia CC City University of New York</i> Calculus</p>	<p>A Healthcare Majors Consumer-based Statistics Course using Hospital Data</p> <p>Kimberly Druschel <i>Saint Louis University</i> Statistics</p>	<p>"Hands-on" Activities for Mathematics Teacher Education Using Virtual Manipulatives</p> <p>Nikita Patterson <i>Georgia State University</i> Math Ed/Teacher Prep</p>	<p>Use of Technology in Creating Projects for Non-STEM Fields</p> <p>Reza Abbasian & John Sieben <i>Texas Lutheran University</i> Real World Applications</p>

2:30pm - 3:00pm **HIGHLIGHT ON INNOVATION LAB**

3:00pm - 3:30pm	<p>Gaining Insight in Calculus and Differential Equations using GeoGebra Dynamic Figures</p> <p>Paul Seeburger <i>Monroe Community College</i> Calculus/Beyond Calc</p>	<p>Discussion Topics that Make Online Courses Interactive while Assessing</p> <p>Radica Cazacu <i>Georgia College</i> Teaching Math Online</p>	<p>"Techy" Teachers</p> <p>Abigail Good <i>Mississippi State University</i> Math Ed/Teacher Prep</p>	<p>Digital Image Processing in College Mathematics</p> <p>Yevgeniy Galperin <i>East Stroudsburg University of PA</i> Real World Applications</p>
3:45pm - 4:15pm	<p>Putting the "Fun" in Functions with Virtual Reality</p> <p>Robin Angotti & Khushaal Kurswani <i>University of Washington Bothell</i> Before Calculus</p>	<p>Understanding Statistical Concepts with StatCrunch Applets</p> <p>Bonnie Rosenblatt <i>Pearson</i> MyLab Mathv</p>	<p>Integrating Technology into an Introductory Statistics Course</p> <p>Anabel Darini <i>Suffolk County Community College</i> Statistics</p>	<p>Fully Automated Data Collection and Analysis in NetLogo</p> <p>Glenn Ledder <i>University of Nebraska-Lincoln</i> Real World Applications</p>

4:30pm - 6:30pm **ICTCM CELEBRATION**

	Maroon Peak	Mt. Wilson	Mt. Harvard	Mt. Yale
9:00am - 9:30am	Algorithm to Solve a Polynomial Equation Nadeem Aslam Florida International University Jay Villanueva Miami Dade College Beyond Calculus	The Role of Technology in Statistics Marty Triola Dutchess Community College Statistics	Bringing Conic Sections to Life Using GeoGebra Mohammad Ganjizadeh Tarrant County College Calculus	
9:45am - 10:15am	Changes to teaching of precalculus algebra after pandemic Rachid Ait Maalem Lahcen & Ram Mohapatra University of Central Florida Before Calculus		Pivoting from Face-to-Face to Virtual or Mobile Service Learning Kimberly Bennekin Perimeter College @ Georgia State University Math Ed/Teacher Prep	Using Online Surveys to Promote Growth Mindset in Math Classes KaSai Un Texas A&M University - Commerce Pedagogy
10:30am - 11:00am	Designing Problems with Nice Solutions for Improved Instruction and Learning - Calculus Margaret Reynolds, Ryan Allaire & Andrew Lee United States Military Academy Calculus	Summer Mathematics Enrichment Workshop with Technology Bathi Kasturiarachi Kent State University STEM/Pedagogy	MyOpenMath (MOM) Platform for Teaching Mathematics In Person and Online Eric Hutchinson College of Southern Nevada Teaching Math Online	Algorithmically-Generating Exams Using Python and Latex Evan Siegel Borough of Manhattan Community College Assessment
11:15am - 11:45am	CAM Cans - Computer Aided Mathematics and Packing Right Circular Cylinders Peter White & Bowen Brawner Tarleton State University Calculus	Math in Action: Enhance Student Learning with Technology Supawan King & Jennifer LaFleur Harford Community College Pedagogy	Using Playing Cards to Show Sampling Distributions Carla Hill Marist College Statistics	
HIGHLIGHT ON INNOVATION LAB				
11:45am - 12:45pm	Using Edpuzzle to Promote Student Engagement Outside the Classroom Rabia Shabaz, Angi Lively, Ekaterina Nathanson, Sarah Park, Jamiye Curry Savage Georgia Gwinnett College Before Calculus	College Algebra Corequisites: Best Practices Deborah Hanus Dallas College Corequisite	Enhancing the Teaching and Learning of Mathematics and Statistics with Desmos Classroom Yu Gu Pace University Statistics	A Trio of Whys and Wherefores Mari Menard, Tanya Easley and Oscar Villalobos Lonestar College - Kingwood Pedagogy
1:30pm - 2:00pm	Modular Residue Designs and Computer Generated Conjecture Michael McConnell Clarion University Beyond Calculus	Using Tinkerplots and Fathom to Encourage Questions about Variability Daniel Canada Eastern Washington University Matt Ciancetta Western Oregon University Math Ed/Teacher Prep	Parallel Computing Using R and a Raspberry Pi Cluster Keith Emmert Tarleton State University Statistics	

ICTCM 2023

35 years: Countless connections



The ICTCM23 Contributed Sessions will be recorded and available for viewing on-demand starting on Saturday, March 18 at 2:30pm. The links to the recordings can be found in the schedule in the ICTCM mobile app.

Developing Preservice Teachers' Use of Technology to Enhance Mathematics Instruction

Reuben Asempapa
Penn State Harrisburg
Math Education / Teacher Prep

Encouraging Students to Write Mathematics: LaTeX and Mathematica

Jeffrey Clark
Elon University
Beyond Calculus

Motivating Students Mathematically in a STEM World with Picture Books, Photography, and GeoGebra

Dr. Joseph Furner
Florida Atlantic University
Math Education / Teacher Prep

How Pandemic Technologies Have Transformed our Post-Pandemic Courses

Ryan Gantner & Erica Johnson
St. John Fisher University
Beyond Calculus

The Educational Use of Math Metaverse Platforms

Minsu Kim
University of North Georgia
Teaching Math Online

Developing Preservice Teachers' Use of Technology to Enhance Mathematics Instruction

Reuben Asempapa
Penn State Harrisburg
Math Ed/Teacher Prep

From Sour Chemistry to a Better Buyer

Supawan King
Harford Community College
Real World Applications

Smartphones, Apps, and Formative Assessment: Engaging Students Outside of Class

Clayton Kitchings & Leslie Davidson-Rossier
University of North Georgia
Assessment

Using CalcPlot3D to 3D-Print Surfaces, Curves and Shells/Washers for Calculus

Paul Seeburger
Monroe Community College
Shelby Stanhope
US Air Force Academy
Calculus

Using the LibreTexts Platform to Customize OER Textbooks for Calculus and Differential Equations

Paul Seeburger
Monroe Community College
Calculus

Using Shiny R to Create Apps For Students to Use Online

Debbie Shepherd
Louisiana State University Shreveport
Statistics

Changes to teaching of precalculus algebra after pandemic

Rachid Ait Maalem Lahcen & Ram Mohapatra
University of Central Florida
Before Calculus

Messy Data and a More Real-World Function Machine

Scott Sinex
Prince George's Community College
Real World Applications

Combating the Forgetting Curve with Cognitive Science Stemmed MyLab Assessments

Sheila Tabanli
Rutgers University
Assessment

Use of Maple and Laplace Transforms in Solving Dynamical Systems

Somasundaram Velumyllum
Clayton University
Beyond Calculus

Obtaining the Maximum Distance of a Projectile in an Atmosphere

Paul Bouthellier
University of Pittsburgh-Greensburg
Beyond Calculus

Knock, Knock! Who's there? MLRs! MLRs WHO? Mathematical Language Routines!

Sandhya Raman
Louisiana State University Shreveport

Conversation Starters - Addressing Diverse Needs

Sandhya Raman
Morrill Middle School/ Berryessa Union School District