SESSIONS: Friday, March 16

DON'T MISS: Keynote Address 8:30 a.m.

Pearson

	10:30-11:00 a.m.	11:15-11:45 a.m.	12:00-12:30 p.m.	12:45-1:15 p.m.	1:30-2:00 p.m.	3:00-3:30 p.m.	3:45-4:15 p.m.	4:30-5:00 p.m.
ARCHIVES		**Applying New Research to Increase Success in Math** Before Calculus Gary Rockswold *Minnesota State Univeristy, Mankato* Terry Krieger *Rochester Technical and Community College*	**Extending Pathways: Using Pathways to Bridge to College Mathematics** Before Calculus Kathleen Almy and Heather Foes *Rock Valley College*	**Geometric Conjectures in Dynamic Geometry Environments** Before Calculus Arsalan Wares *Valdosta State University*	**Corequisite as a 3-hour Course** Before Calculus Anne Fischer *Tulsa Community College*	**A Win-Win Assessment Strategy** Before Calculus Wael AbuShammala *San Jacinto College*	**20 Years Later, Interactive Online Mathematics** Before Calculus Joan Kessler *Broward College*	**A Co-Requisite Pilot – Year Two. How's It Going?** Pedagogy Randy Gallaher & Kevin Bodden *Lewis & Clark Community College*
MONUMENT	**"Learning Catalytics™: An Effective Technology Tool to Promote Student Engagement and Interaction** MyLab Math Adam Chekour *University of Cincinnati - Blue Ash*	**Flipping (any) Mathematics Class Using Instructor Created Questions in MyLab™ Math** MyLab Math Terry Barron *Georgia Gwinnett College* Peggy Slavik *Baldwin Wallace University*	**Using Custom "Common Errors" MyLab Math Questions for "High Risk" Calculus Students** MyLab Math Robert Strozak *Old Dominion University*	**Online Tools for Assignments in Hybrid Courses: To Use or Not to Use** MyLab Math Rodica Cazacu *Georgia College*	**Effective Use of MyLab™ Math (MyLabsPlus) for Positive Long-term Effects** MyLab Math Rachid Ait Maalem Lahcen, Alina Stefanov, and Ram Mohapatra *University of Central Florida*	**What Can Direct Digital Access and MyLabsPlus™ Do for You?** MyLab Math Melissa Reid, Terri McKnight, and Leanne Dixon *Rowan-Cabarrus Community College*	**Teaching Finite Mathematics Online - A Course Coordinator's Perspective** MyLab Math Jacob Dasinger *University of South Alabama*	**Using MyLab™ Math to Reduce Math Anxiety** MyLab Math Betty Berbari *SUNY College at Old Westbury*
SALON A	**Investing the Pedagogy of R Versus Minitab® in Teaching Statistics** Statistics Reza Abbasian and John Sieben *Texas Lutheran University*	**Statistics: What's Hot and What's Not?** Statistics Marty Triola *Dutchess Community College*	**Engaging Statistics Projects Using StatCrunch™ and Excel** Statistics Wendy Pogoda *Hillsborough Community College*	**Using Technology to Foster Students' Conceptual Understanding of Confidence Intervals** Statistics Melanie Autin *Western Kentucky University*	**Using Simulation to Enhance Statistical Concepts** Statistics Michael Sullivan III *Joliet Junior College*	**Statistics and the Media** Statistics Maureen Petkewich and Gail Ward-Besser *University of South Carolina*	**Introductory Statistics in the Cloud via Web Apps** Statistics Bernhard Klingenberg *Williams College*	
SALON B	**Motivating College Algebra Students Using Internet Data** Before Calculus Cathleen Zucco-Teveloff *Rider University*		**Digitally Enriched Math Lessons** Before Calculus Ugur Mert *Ted Istanbul College*	**Mastery-based, Modular Learning for Developmental Mathematics: A Fingerprint on Learning** Before Calculus Lee Ann Roberts, Alvina Atkinson, and Sarah Park *Georgia Gwinnett College*	**Common Cents - Using Low Cost Materials in Your Classroom** Before Calculus Glenn Newman *Embry Riddle Aeronautical University*	**Bootcamps & Corequisites: Moving Students Through Their Math Sequence Faster** Before Calculus Jamie Blair *Orange Coast College* Anne Fischer *Tulsa Community College*	**Flipping the Hybrid College Algebra Classroom using MyLab™ Math** Before Calculus Violeta Vasilevska *Utah Valley University*	**Expected Value When It Really Matters.... Monopoly** Before Calculus Alicia Collins *Mesa Community College*
SALON C	Spreadsheets for Quantitative Reasoning: An Excel-lent Way to Engage Your Students with Mathematics Quantitative Reasoning Eric Gaze *Bowdoin College*	**Mathematics in Action: Projects for Engaging Quantitative Reasoning Students** Quantitative Reasoning Alvina Atkinson, LeeAnn Roberts, and Sarah Park *Georgia Gwinnett College*	**Ensuring Transfer of Quantitative Reasoning and Gen Ed Math Courses** Quantitative Reasoning Connie Richardson *Charles A. Dana Center*	STEM Sharon Sledge *San Jacinto College*	**Do You Kahoot!™?** STEM Carla Hill *Marist College*	**Pathways to Understanding: Dynamic Mathematics Technology as Driver** STEM Wade Ellis *West Valley College* Thomas Dick *Oregon State University* William Bauldry *Appalachian State University*	**Prepare Tomorrow's Students Today by Creatively Integrating Pedagogy, STEM, and Globalization** STEM Tom Reardon *Youngstown State University*	**Visualizing Mathematics with Graphs & Computations without The Learning Curve** Before Calculus Ana Gowribalan Vamadeva *University of Cincinnati – Blue Ash College*
SALON G	**Creating User-friendly Problems** Calculus Mary Jane Sterling *Bradley University*	**Mathematical Modeling: Creating a Video Game** Beyond Calculus Paul Bouthellier *University of Pittsburgh-Titusville*	**Using Geogebra as a Theoretical Framework for Learning Quadric Surfaces** Calculus Mohammad Ganjizadeh *Tarrant County College*	**Don't Be Afraid of the F-word: Flipping is Better** Calculus Darin Kapanjie *Temple University*	**Who Says You Can't Do Calculus in Excel?** Calculus Michael Seminelli and Andrew Plucker *United States Military Academy*	**Tools of Modern Mathematics: An Introduction to Experimental Mathematics** Beyond Calculus Debra Hydorn *University of Mary Washington*	**Using 3D Drawing and Technology to Conceptually Understand Volumes of Revolution in Calculus** Calculus John King *Perimeter College at Georgia State University*	**IguanaTex: LaTeX Add-in for PowerPoint™ Greatly Simplifies Creating Mathematical Slides** Calculus David Schweitzer *Liberty University*
SALON H	**Engaging Students by Using Learning Catalytics™** Pedagogy Lazara Ferrer and Marta Brito-Villani *Miami Dade College*	**Online Examination for Online Courses – Reduce Student Dishonesty** Teaching Math Online Oscar Macedo, Alexandra Macedo, and Gabriel Mendoza *El Paso Community College*	**Math in an Instant Feedback World 2.0** Pedagogy Jessica Bernards and Wendy Fresh *Portland Community College*	**Using the Emporium Model to Improve Student Performance** Research Kathy Cousins-Cooper and Katrina Nelson *North Carolina A&T State University*	**Multimedia Design Principles of Animations: An Example for Piecewise Functions** Research Alicia Serfaty de Markus *Miami Dade College*	**Online Versus Face-to-Face** Teaching Math Online Jing Chang *College of Saint Mary*	**Engaging Statistics Students with Clickers** Statistics Gabi Booth *Daytona State College*	
SALON N	**Preparing New Faculty to Serve Effectively in Your Department** Real World Applications John Bacon, David Harness and Michael Yanokovich *United States Military Academy*	**Z(app) the Tedium: Apps and Applications for Liberal Arts Students** Real-World Applications Tom Pirnot *Kutztown University*	**Global Numeracy, Global Change** Real-World Applications Kurt Kreith *University of California at Davis*	**Using Shiny from RStudio to Teach, Motivate, and Evaluate a Classroom Created Social Network** Real-World Applications Bryan Adams *United States Military Academy*	**Mathematics, Science, and Reality** Real-World Applications Gary Rockswold *Minnesota State University, Mankato*	**Solar Energy and Trigonometry** Real-World Applications James Cliber *Iowa State University*	**OK, Take Out Your Cell Phones** Real-World Applications Lasse Savola *SUNY - Fashion Institute of Technology*	
SALON O	**Document Camera Fun** Pedagogy Tom Carson *Franklin Classical School*	**Cell Phones on a Test? I Say Yes** Pedagogy Denise Nunley *Scottsdale Community College*	**A College Algebra Corequisite Pilot at the University of Idaho** Pedagogy Kirk Trigsted *University of Idaho*	**Have Your "Pi" and Eat It "Two": Integrating College Functions** Pedagogy Phoebe Rouse *Louisiana State University*	**Blended Learning with OER Platforms in Undergraduate Mathematics** Pedagogy Minsu Kim *University of North Georgia*	**Flipping Your Classroom with MyLab™ Math and Interactive Statistics** Pedagogy George Woodbury *College of the Sequoias*	**Interactive Corequisites in College Algebra** Pedagogy Kevin Bodden and Randy Gallaher *Lewis and Clark Community College*	**Tips for Managing Discussion Forums in Online Math Courses** Pedagogy Kelly Weems *Georgia Military College*

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MINI-COURSES Friday, March 16

DON'T MISS: Keynote Address 8:30 a.m.

	9:30-11:15 a.m.	11:30 a.m.-1:15 p.m.	1:30-3:15 p.m.	3:30-5:15 p.m.
CAPITOL	**An Introduction to GeoGebra and Dynamic Worksheets** David Ray, *University of Tennessee at Martin*	**Camtasia®: Creating SCORM Content Packages** Sarah Mabrouk *Framingham State University*	**Desmos and Geogebra: Teaching Calculus Conceptually** Michael McConnell and Marcella McConnell *Clarion University*	**Linear Algebra Activities: Simplest to Most Difficult Concepts Using GeoGebra** James Factor and Susan Pustejovsky *Alverno College*
CONGRESS	**Creating Interactive Learning Experiences for Any Course Format** Michael Sullivan *Joliet Junior College* George Woodbury *College of Sequoias*	**Welcome to Mathematica®** Jason Gregersen *Michigan Technological University*	**Show Me the Data - Getting Started with StatCrunch™** Sharleen McCarroll *American River College*	**Desmos: A Free Online Graphing Tool for Developing Classroom Activities** Katie Pridemore *Valencia College*
MINT	**iPad® Notability Mini-Course** Jay Sharritt, Matthew Mogensen, and Michael Seminelli *United States Military Academy*	**Assessment: From a Silent Killer of Learning to an Active Booster of Better Learning** Kristin Arney, Kayla Blyman, Lisa Bromberg, David Delcuadro-Zimmerman, David Harness, Scott Warnke, Frank Wattenberg, and Sarah Wolberg *United States Military Academy*	**Versatile Solutions to Develop Online Videos** Julia Ledet and Michaela Stone *Louisiana State University* Kothari Arslan *Normandale Community College*	**Get Down and Dirty with Doceri...and Amaze Your Students with Your Responses!** John Diamantopoulos *Northeastern State University*

MINI-COURSES Saturday, March 17

	9:00-10:30 a.m.	10:45 a.m.-12:15 p.m.	12:45-2:15 p.m.	2:30-4:00 p.m.
CAPITOL	**3D Printing in Calculus with Mathematica®** Jason Gregersen *Michigan Technological University*	**Spreadsheets for Quantitative Reasoning: An Excel-lent Way to Engage Your Students with Mathematics** Eric Gaze *Bowdoin College*	**Camtasia®: An Introduction** Sarah Mabrouk *Framingham State University*	**Visualizing Multivariable Calculus & Differential Equations Using CalcPlot3D™** Paul Seeburger *Monroe Community College*
CONGRESS	**Lights, Camera, Action! Recording and Editing Videos in Camtasia® 9** Rose Jenkins *Midlands Technical College*	**Using EDpuzzle to Flip a Class** Debra Pharo *Northwestern Michigan College*	**Creating Mathematics Tutorials for Online Courses Using an iPad Pro®, Reflector 2®, and Camtasia Studio®** Cathy Frey *Norwich University*	
MINT	**Introduction to Visualizing Mathematics: GeoGebra and Desmos** Mike May *Saint Louis University*	**Math With an Assist: Coding in Grades 2-12** Jerome Caldwell *University of Wisconsin, River Falls*	**All-Time Mathematically Rich Geometry Through Precalculus Activities, Individualized with Solutions** Tom Reardon *Youngstown State University*	**The Use of Maple™ Software in a Calculus Course** Matthew Westerhoff *Northern Virginia Community College*
TREASURY	**Jazz Up Your Presentation with Learning Catalytics™** Maria Alvarez, Lourdes Espana, and Victoria Livinski *Miami Dade College*	**Show Your Work: Explicating Students' Thinking Using Online Assessment Tools** Caree Pinder and Ruthmae Sears *University of South Florida*	**Update Your Online STATus** Maureen Petkewich *University of South Carolina*	

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ARCHIVES	**The Importance of Adopting Evolving Technological Tools to Expand Content Knowledge to 3D** Calculus Wei-Chi Yang *Radford University*	**The Turing Bombe and its Role in Breaking Enigma** Beyond Calculus Neil Sigmon *Radford University*	**Exploring Calculus with Mathematica** Calculus Somaya Muiny *Georgia State University*	**3D Printing: Making It Real** Calculus Nora Strasser *Friend University*	**"Where Am I Going to Use That?"** Before Calculus Rusandica Manole *Georgia State University* *Perimeter College*				
SALON A	**Free Online Tools for Teaching Introductory Statistics** Statistics Paul Velleman *Cornell University*	**Students Analyzing Real Polling Data: Enhancing Your Statistics Course** Statistics Jason Gershman *Nova Southeastern University*	**Statistical Investigations: You Might Already Be Teaching Data Science** Statistics Robert Gould *University of California Los Angeles*	**How Twitter, Pocket, and Padlet Changed My Statistics Course** Statistics Rebecca Wong *West Valley College*	**The Mathematics of Video Poker** Statistics Paul Bouthellier *University of Pittsburgh-Titusville*	**Simulations: From Playing Cards to StatCrunch™ and Beyond** Statistics Carrie Grant *Flagler College*	**Interactive Tools for learning R and Python: Preparation for Statistics Projects** Statistics Marsha Davis, Garrett Dancik, and Roland DePratti *Eastern Connecticut State University*	**New Approach to Statistics by Using Learning Objective** Statistics Wendiann Sethi *Seton Hall University*	**Creating Shiny Apps for in Class Activities** Statistics Ryne VanKrevelen and Laura Taylor *Elon University*
SALON B	**Pre-statistics: Acceleration and New Hope for Non-STEM Majors** Before Calculus Jay Lehmann *College of San Mateo*	**The Hybrid Classroom: Best of Both Worlds** Before Calculus Gabi Booth and Ethan Repyneck *Daytona State College*	**Using Technology to Motivate Students and Support Learning Strategies in Online College Algebra** Before Calculus Frances Hopf and Ruthmae Sears *University of South Florida* Casey Williams *Hillsborough Community College*	**Using Original Software to Enhance Teaching in Math for Business and Social Sciences** Before Calculus Timor Sever *Houston Community College*	**Volumetric Measurement of Tumors: Mathematical Models, Assumptions, and Errors** Before Calculus Scott Sinex and Ted Chambers *Prince George's Community College*	**Nontrivial Motivational Case Studies for College Introductory Courses in Mathematics** Before Calculus Vladimir Riabov *Rivier University*	**Using Open Educational Resources in Precalculus** Before Calculus Robert Strozak *Old Dominion University*		**Integrate Various Technologies to Enhance Student Learning Using Best Practices** Before Calculus Mickey Nakagome *Maricopa Community Colleges*
SALON C	**Using Instructor Created Videos to Teach Mathematics in Elementary School** MathEd/TeacherPrep Thomas Klein *Marshall University*	**Technology Usage to Promote Mathematical Thinkers** MathEd/TeacherPrep Marcella McConnell *Clarion University*	**Service Learning in an Online Math Course** MathEd/TeacherPrep Kimberly Bennekin *Perimeter College at Georgia State University*	**Using Geometer's Sketchpad® to Teach Geometric Thinking** MathEd/TeacherPrep Shafia Abdulrahman *Emirates College for Advanced Education* Lilla Adulyasas *Yala Rajbahat University*	**"Show Me" - An Interactive Email Response** MathEd/TeacherPrep Becky Moening *Ivy Tech Community College*	**Transform Your Students' Thinking about Geometry** MathEd/TeacherPrep Nikita Patterson *Georgia State University*	**The Development of Technological, Pedagogical, and School Mathematics** MathEd/TeacherPrep Reda Abu Elwan *Sultan Qaboos University*		
SALON G	**Elliptic Integrals and Some Applications** Beyond Calculus Jay Villanueva *Florida Memorial University*	**3D Printing Lessons in Multivariable Calculus** Calculus Kristen Schreck *Saint Xavier University*	**Calculus with Interactive Figures** Calculus Eric Schulz *Walla Walla Community College*	**Linear Algebra: Simplest to Most Difficult Concepts using GeoGebra** Beyond Calculus James Factor *Alverno College*	**A Team Based Collaboration Model Using MURAL** Calculus John Ehrke *Abilene Christian University*	**Creating Video Tutorials for Pearson's Interactive Figures - Lessons Learned** Calculus Marc Renault *Shippensburg University*	**Departmental Final Exams - Experiments, Failures, and Successes** Calculus Mozhgan Mirani *Tennessee State University*	**Know Your Customer: Driving Course Design Through Student Data** Calculus Andrew Plucker and Michael Seminelli *United States Military Academy*	**Using Mathematica in the Teaching of Calculus-Based Probability** Calculus Jeff Clark *Elon University*
SALON H	**Software and Resource Considerations for Teaching Online and Hybrid Courses** Pedagogy Sarah Mabrouk *Framingham State University*	**The Funny Thing About Math...Volume II** Pedagogy Terry Krieger *Rochester Community and Technical College*	**To Compute or Not to Compute, That is The Question** Statistics Keisha Brown *Perimeter College at Georgia State University*	**Statistics Activities: Utilizing the Features of StatCrunch™** Statistics Peggy Slavik *Baldwin Wallace University* Terry Barron *Georgia Gwinnett College*	**Undergraduate Research Seminar in Applied Mathematics – A Success Story** Pedagogy Kuppalapalle Vajravelu *University of Central Florida*	**Placement Testing for Calculus** Pedagogy Robert Banik *Mississippi State University*	**Designing Successful Corequisite Programs: Structures, Content, and Pedagogy** Pedagogy Markus Pomper *Roane State Community College* Connie Richardson *Charles A. Dana Center*	**Communicating Math So It Matters** Real-World Applications Heather Seminelli *United States Military Academy*	
SALON N	**Modeling Important Social Issues with Data: Opioid Overdose Deaths** Real-World Applications Tom Reardon *Youngstown State University*	**World Population, Demographics, Equity, and Murder** Real-World Applications G Donald Allen *Texas A&M University*	**Using Technology to Facilitate the Implementation of Problem Based Learning in Calculus** Real-World Applications Rabia Shahbaz, Priya Boindala, and Nathasha Brewly *Georgia Gwinnett College*	**Transforming Assessment from a Silent Killer of Learning to an Active Booster** Real-World Applications Kristin Arney and Frank Wattenberg *United States Military Academy*	**Engaging Exams, Evaluating Evaluations: An Alternate Approach Assessed** Real-World Applications Kayla Blyman and David Delcuadro-Zimmerman *United States Military Academy*	**Alternative Assessments: The Good, The Bad, the Ugly, and What to Do in the Future** Real-World Applications David Harness and Scott Warnke *United States Military Academy*	**Interdisciplinary, Video Games, Power Creep, Liberal Arts, Math, and History** Real-World Applications Jordan Slavik *University of Maryland*	**Teaching Functions by Collecting Data with Vernier Sensors** Real-World Applications Suzanne Sumner *University of Mary Washington*	**How (NOT) to Make and Grade Discovery-Learning Assessments** Real-World Applications Kristin Arney, Lisa Bromberg and Sarah Wohlberg *United States Military Academy*
SALON O	**Improving Learning Outcomes with Math Based Courseware Technology** Pedagogy Andrew Rourke *Maplesoft*	**Readiness Programs: Preparing Students for College in High School** Pedagogy John Squires *Southern Regional Education Board*	**Measuring What Matters: Quantifying Returns on Digital Math Programs** Research Lou Pugliese *Arizona State University*	**Using Interactive Songs to Increase Student Engagement and Learn Statistics** Research John Weber *Perimeter College at Georgia State University*	**Creating Accessible Online Mathematics Lessons for Blind Students** Pedagogy Scott Randby *The University of Akron*	**Interactive Applets with Shiny from RStudio®** Pedagogy Matthew Mogensen *United States Military Academy*	**GeoGebra, Photography, and Picture Books: A Means to End Math Anxiety** Pedagogy Joseph Furner *Florida Atlantic University*	**CALL for an Alternative to Corequisite Models** Pedagogy Kim Walters *Mississippi State University*	**Using Office Mix™ for Success in Online Courses** Pedagogy William Tschume *Mississippi State University*