SESSIONS: Friday, March 15

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.

**KIERLAND 1A**
- Modeling in the Curriculum from 5th Grade Through Differential Equations
  - Patricia Tiffany & Rosemary Farley
  - Manhattan College
  - The Importance of Modeling in Calculus and Differential Equations
    - Rosemary Farley & Patricia Tiffany
    - Manhattan College
  - Making Calculus Relevant
    - Mary Jane Steil
    - San Jacinto College
  - Ziappi's The Tudem: Apps and Applications for Liberal Arts Students
    - Thomas Pimentel
    - A Simpson
    - Wells Community College
  - Assessment for Online Statistics with or without Proctoring
    - Kristie Casasoe & George Casasoe
    - Georgia College
  - Problem-Based Learning to Enhance Students' Achievement
    - Laura Ferrer & Marta Brito-Urrutia
    - Miami Dade College
  - Exploring Calculus with Mathematica
    - Samayam Mutty
    - Georgia State University

**KIERLAND 1B**
- A Classroom Model for Increasing Learning and Success in Liberal Arts Math
  - Scott Demsky
  - Broward College
  - College Algebra Early Intervention: Success for Some - Failure for Others
    - Phoebe Rose
    - Debra Kpacner & Stephanie Kurtz
    - Louisiana State University
  - Using Geometric's Sketchpad to Solve Challenging Problems
    - Mary Jane Steil
    - Bradley University
  - Answering Questions with Educations Outside the Classroom
    - Pamela Webster
    - Texas A&M Commerce
  - Linear Programming: Using Original Software To Enhance Teaching
    - Timor Sever
    - Houston Community College
  - Using Excel with Internet Data in an Introduction Quantitative Methods Business Course
    - Kathleen Zuico-Taveloff
    - Alder University
  - Flex Your Learning with Mastery Based Algebra
    - Alison Banner
    - Pennsylvania State University

**KIERLAND 1C**
- NEW SESSION: Flipping Calculus - An Integrated Approach
  - Darin Kapanjie
  - Temple University
  - Fostering Classroom Interaction in Calculus Using Student Response Technology
    - Proponents
    - Old Dominion University
  - Using Technology to Increase Student Engagement in Online Calculus Courses
    - Laurie Woodman
    - University of Southern Maine
  - Keeping in Summer Shape (KiSS) in Calculus
    - Carla VanDenEinde & Kayla Lack
    - Arizona State University
  - Presenting a Comprehensive Library of GeoGebra Applets
    - Linear Algebra
    - James Factor
    - Alverno College
  - Number Theory + Python = A Perfect Pairing
    - Inna Shablinsky
    - Norwich University

**KIERLAND 4A**
- Flipping the Corequisite Statistics Course
  - Michael Sullivan
  - John Jay College
  - Strategies to Improve Success for Online Math Students
    - Pitroq Fauquharson
    - Rebecca University
  - Corequisite Implementation - Bootcamps or Semester Courses?
    - Anne Fischer
    - Old Dominion University
  - CALL for a Coreq
    - Kimberly Walters
    - Mississippi State University
  - Accelerated Math Sequences: Methodology and Techniques for Coreqs & Math Jams
    - Jennifer Crawford
    - Nassau Community College
  - Incorporating Mindsets into Corequisite Support Courses
    - George Woodbury
    - College of the Sequoia
  - A Corequisite Pilot - First Semester Results
    - Salvador Vera
    - Northern Arizona University

**KIERLAND 4B**
- Perfect Examples in Statistics
  - Matthew Traska
  - Dutchess Community College
  - Random Number Generators, Simulations, and the Central Limit Theorem
    - Paul Beechler
    - University of Pittsburgh, Pittsburgh, Pennsylvania
  - Apps in Intro Stat: Where, When and Why
    - Bernhard Klingenberg
    - Williams College
  - Using Technology to Foster Students' Conceptual Understanding of Correlation
    - Melissa Austin
    - Western Kentucky University
  - A New Approach to the Flipped Classroom
    - Wendy Fresh & Jessica Bernard
    - Portland Community College
  - A Final Project Design: Three Phases for Success
    - Carrie Grant
    - Egger College
  - Teaching Data Visualization with Power BI
    - Maureen Perko
    - University of North Carolina - Dare County Site
  - Using Machine Learning to Get More Out of MyLab Math Data
    - Aaron Smith
    - Seminole County Public School

**KIERLAND 4C**
- Why Would I Ever Want to Use the Custom Question Builder?
  - Gwen Tavoliger
  - University of Toledo
  - Jazz Up Your e-Statistics Poster Board with StatCrunch
    - Lauren Daza & Maria Alvarez
    - Miami Dade College
  - Personalizing MyLab Math to Improve Students' Success
    - Rachel Ari
    - University of Central Florida
  - The Publishing World IS NOT Flat
    - Nathan Ritchey
    - Arent State University
  - ADO and Your MyLab Math & Statistics Course
    - Diane Hultsier
    - Georgia State University
  - Results of Digital Courseware Project Using Learning Caleytics and Technology
    - Eric Samansky & Jason Gerstman
    - North Eastern State University
  - Coordinator Courses in MyLab Math
    - William Tschume
    - Mississippi State University
  - Cultivating Technologically Guided Culturally Relevant Mathematics
    - Bath Kasim
    - Kent State University, Stark

**TRAILBLAZER**
- Document Camera Fun!
  - Thomas Cavan
  - Franklin Classical School
  - Diving Deeper: Does "Success" Mean All Are Successful?
    - Brian Beaudot & Barbara Bachmarna
    - Northern Arizona University
  - Trying the Trends: Flipped, Hybrid, Online, Video, Clickers, and More
    - Brian Beaudot
    - University of Arkansas
  - How Technology Can Help Develop Student Writing Skills
    - Jeffrey Clark
    - Dan University
  - Learning Assistants in Blended Classrooms - Peer Learning On-site and Online
    - Margaret More
    - University of Southern Maine
  - The Role of Technology in Inverted Versus Traditional Instruction
    - Reza Abbasian & John Sieben
    - Central Carolina Technical College
  - The Future Is High Tech - but Success May Be Low Tech
    - Amy Bell
    - Central Carolina Technical College
  - Cultivating Technologically Guided Culturally Relevant Mathematics
    - Bath Kasim
    - Kent State University, Stark

DON'T MISS: Keynote Address 8:00 a.m.
### SESSIONS: Saturday, March 16

#### 9:00-9:30 a.m.
- **Calculus**

#### 9:45-10:15 a.m.
- **Beyond Calculus**

#### 10:30-11:00 a.m.
- **Corequisite**

#### 11:15-11:45 a.m.
- **Before Calculus**

#### 12:45-1:15 p.m.
- **Calculus**

#### 1:30-2:00 p.m.
- **Beyond Calculus**

#### 2:15-2:45 p.m.
- **Pedagogy, Assessment & Research**

#### 3:00-3:30 p.m.
- **Beyond Calculus**

#### 3:45-4:15 p.m.
- **Calculus**

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<table>
<thead>
<tr>
<th>Time</th>
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<td><strong>Pedagogy, Assessment &amp; Research</strong></td>
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<td><strong>Calculus</strong></td>
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## PRE-CONFERENCE WORKSHOPS: Thursday, March 14

<table>
<thead>
<tr>
<th>Time</th>
<th>MyLab Math and MyLab Statistics Workshops*</th>
</tr>
</thead>
</table>
| 8:00-9:45 a.m.| MERRIAM  
Teaching Successful Online Math Courses  
Calandra Davis  
Pearson         |
| 10:00-11:45 a.m.| Teaching Corequisite Courses with MyLab Math & MyLab Statistics  
Stephanie Walker  
Pearson         |
| 1:00-2:45 p.m. | LOWELL  
Using Learning Catalytics  
Diane Hollister  
Pearson         |
| 3:00-4:45 p.m. | Creating a Course: Results by Design  
Diane Hollister  
Pearson         |

*Participants of the MyLab Math™ and MyLab Statistics™ pre-conference, hands-on workshops can earn Continuing Education Units.

*Thursday workshops and pre-conference sessions require additional fees. Registered participants will receive breakfast and lunch as part of the registration fee.

## MINI-COURSES Friday, March 15

<table>
<thead>
<tr>
<th>Time</th>
<th>DON’T MISS: Breakfast &amp; Keynote Address 8:00 a.m.</th>
</tr>
</thead>
</table>
| 10:00-11:30 a.m.| MERRIAM  
Graphing with GeoGebra  
David Ray  
University of Tennessee, Martin |
| 12:30-2:00 p.m. | LOWELL  
Welcome to Mathematica®  
Jason Gregersen  
Michigan Technological University |
| 2:15-3:45 p.m. | TRAILBLAZER A  
NEW SESSION: Toward an Ideal Statistical Software for Teaching Introductory Statistics and Beyond  
Mortaza (Mori) Jamshidian  
California State University, Fullerton |
| 1:00-2:45 p.m. | Calculus  
Drones, Climate Science, Hot Cars, Personal and Public Health Policy and Math  
Bryan Adams, Diana Thomas  
United States Military Academy |
| 2:15-3:45 p.m. | Calculus  
Maple for the Classroom: Tips, Tricks, and Techniques  
Douglas Meade  
University of South Carolina  
Phillip Yasskin  
Texas A&M University |
| 2:15-3:45 p.m. | CAMTASIA: BEGINNINGS  
Sarah Mabrouk  
Framingham State University |

## MINI-COURSES Saturday, March 16

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<tr>
<th>Time</th>
<th>DON’T MISS: Breakfast &amp; Keynote Address 8:00 a.m.</th>
</tr>
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| 9:00-10:30 a.m.| MERRIAM  
Visualization of Multivariable Calculus & Differential Equations Using CalcPlot3D  
Paul Seeburger  
Marist Community College |
| 10:45 a.m.-12:15 p.m. | Calculus  
Designing an Effective Corequisite Program, Including Algebra and Statistics Activities  
Jay Lehmann  
College of San Mateo |
| 12:45-2:15 p.m. | LOWELL  
Using a Comprehensive Library of GeoGebra Applets for Linear Algebra  
James Factor, Alverno College  
Suan Pustejovsky  
Alverno College |
| 1:00-2:45 p.m. | Teaching Math Online  
Camtasia: Video Editing  
Sarah Mabrouk  
Framingham State University |
| 1:00-2:45 p.m. | Mobile Apps for Encouraging Student Interaction in Math Classes  
Revathi Narasimhan  
Kean University |
| 2:30-4:00 p.m. | TRAILBLAZER A  
Proofs without Words Demonstrated in Active Videos  
John Diamantopoulos  
Northeastern State University |
| 2:30-4:00 p.m. | Maps & MyLab Math Statistics  
Sam Zhang  
Union County College |
| 2:30-4:00 p.m. | Teaching an Online Statistics Course Using MyLab Math Statistics  
Eric Hofsieker  
University of Wisconsin, River Falls |

| Time          | Calculus  
Using MyLab Statistics and StatCrunch  
Diane Hollister  
Pearson         |
|---------------|Calculus  
Teaching an Online Math Course  
Calandra Davis  
Pearson         |
| 3:00-4:45 p.m. | Mapmaker B  
Creating a Course: Results by Design  
Calandra Davis  
Pearson         |
| 3:00-4:45 p.m. | Calculus  
Using Desmos to Explore Mathematical Discourse and Reasoning  
Erick Hoefacker  
University of Wisconsin, River Falls |
| 3:00-4:45 p.m. | Mapmaker B  
Personalizing the Student Learning Experience  
Stephanie Walker  
Pearson         |
| 3:00-4:45 p.m. | Mapmaker B  
Teaching Corequisite Courses with MyLab Math & MyLab Statistics  
Stephanie Walker  
Pearson         |
| 3:00-4:45 p.m. | Mapmaker B  
Using Learning Catalytics  
Diane Hollister  
Pearson         |

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