Good Ideas in Teaching Precalculus and...
Friday, March 16, 2018
Program Schedule

First Timers Session: 8:00-8:10 repeated 8:15-8:25, Room 210

	Precalculus	Precalculus and Calculus	Calculus	Algebra and Geometry	Math and Technology	Applications and Discrete Mathematics	Probability and Statistics	Assessment	General	General
Session I 8:30 to 9:20	Frank Forte Using Exploration and Technology to Teach Graph Transformations Room 202	Ken Collins Teaching Precalculus to Prepare Students for AP Calculus Room 206	Jeff Kaye Navigating Your Way through the Fundamental Theorem of Calculus Room 205	Kathleen Carter Understanding Quadratic Functions Room 207	Eric Berkowitz DESMOStration Room 204		Paul Westbrook Using Statistics to Understand Investments Room 208	Robin O'Callaghan and Fred Schuppan Writing Fair and Effective Scoring Rubrics for Free-Response Questions Room 209	John Kerrigan Active Learning Strategies for the Mathematics Classroom Room 210	Mike Kaplan Encouraging Deeper Thinking Room 203
Session II 9:30 to 10:20	David Hyman Saving the Planet One Rational Function at a Time Room 202	Dave Cesa Cold, Warmer, HOT: A Digital Strategy for Precalculus & Calculus Room 206	Joyce Leslie Teaching Calculus to a Heterogeneous Class Room 205	Neil Cooperman Geometry Today Room 207	Lisa Barragato Using Videos to Engage Students in Algebra Room 204	Afroze Naqvi Propositional Logic, Set Theory, and Mathematical Induction Room 203	Ralph Pantozzi Push Your Luck! Room 208	Stephanie DiBari and Eileen Fallon Formative Assessment with Desmos Activity Builder Room 209	Audrey Nasar Computational Thinking in Precalculus Room 210	Paula Gray The Beauty and Necessity of Correct Mathematical Writing and Notation Room 216
Sharing Sessions 10:30- 11:05	A. What to Keep and What to Leave Out of Precalc and Calculus (Angelique Bender) Room 202	B. The Rush to Calculus: Pluses and Minuses (Fred Decovsky) Room 206	C. How Do You Prepare Students for AP Tests? (Ken Collins) Room 205	D. What Algebra and Geometry Topics are Needed for Precalculus (Eric Berkowitz) Room 207	E. Dealing with Challenging Students (Angelo DeMattia) Room 204	F. Preparing High School Students for College Math (Frank Forte) Room 203	G. Effective Use of Technology in Algebra & Geometry (Lisa Barragato) Room 208	H. Effective Use of Technology in Precalculus & Calculus (Jay Schiffman) Room 209		
11:10 – 12:15	**Plenary Session -- Room 111 SERC: The Status Quo in High School Mathematics is Unacceptable – Eric Milou, Professor of Mathematics, Rowan University**									
12:15 – 12:55	Buffet Lunch – SERC Building, 2nd Floor									
Session III 1:00 to 1:50	Ahmed Salama The Benefits of Teaching Applications of Trig Functions in Precalculus Room 202		Angelique Bender and Sarah Kaeli How to Make Calculus Fun, Hands-on, and Tangible Room 205	Anita Schuloff Sequences, Quadratics, and Right Triangles Room 207	Fred Decovsky Coding – Not Just for STEM Room 204	L. Charles (Chuck) Biehl A Teacher's Guide to Computational Geometry Room 203		Stacy Winters Alternative Assessment in Algebra and Geometry Room 209	Iftikhar Husain Delivering Standards of Mathematics Visually Room 210	Andrew Rosenbloom and Deanna Houlihan Flipped Mastery Learning in High School Mathematics Room 206
Session IV 2:00 to 2:50				Angelo DeMattia Visual Representations for Proportional Thinking and Algebraic Reasoning Room 207	Linda Treilman What's New for the SMART Board Software – Notebook 2017 Room 204	Joe Rosenstein Pascal's Triangle" Room 203			Jay Schiffman Mathematical Misconceptions that Permeate Many Textbooks Room 210	