USACAS 2019 Program, June 14-16

MMC & MEECAS FRIDAY Dinner Presentation

Cubics, Conics, CAS, and a Curious Connection Called "The Most Marvelous Theorem in Mathematics!" *Tom Dick (Renaissance Hotel)*

SATURDAY

Simultaneous Equations Students Stem Fun An Incredible Journey Integration of Science and Math Integration of Scienc	Time									
8:30 Klein, Jakucyn, Hamilton, Reardon, Gapinski, Johnson Ramazing Simultaneous Equations 8:45 - 9:45 Flynn (A202) Klein (A204) Bird (A206) Role of CAS in Developing Ways of Thinking: Methematical Practicus, Mishematical Processes, and Computational Thinking 9:55 - 10:55 Heid (A202) Schillman (A204) Schillman (A204) Fluency and Meaning in Solving Equations: A New Lens on Students' CAS Activities with of Degree of Thinking: Methematical Processes and Meaning in Solving Equations: A New Lens on Students' CAS Activities with of Degree of Processes and Series with CAS (A31) 12:00 - 1:00 Fonger (A204) From Proof Using Computers to Computer Proof: Reflections on Technological Era 1:10 Fonger (A204) From Proof Using Computers to Computer Proof: Reflections on Technological Era 1:10 Lyublinskaya (A202) Forester (A204) Forester (A204) For Male Series with Technological Era Around the Lhuillier Problem 2:20 Around the Lhuillier Problem 3:25 Dahan (A202) McCalla (A204) Parr (A206) Zamora (A207) Dicker (A208) Brown (B201-203 Bridging the STEM Acronym: Series Subvision of Solve the Problem An Incredible Journey Inc	7:30	Registration (main entrance) and Continental Breakfast (C203-205)								
Amazing Simultaneous Equations 8:45 - 9:45			141		` ,					
Amazing Simultaneous Simultaneo	8:30		Klein, Jakucyn, Hamilton, Reardon, Gapinski, Johnson							
Role of CAS in Developing Ways of Thinking: Mathematical Practices, Mathematical Processes, and Computational Thinking 9:55 — Heid (A202) Schiffman (A204) Knapp (A206) Collins (A207) Moran (A208) Gapinski (B201-20 or CAS!! 11:00 — Lunch (Courtyard or Library) 12:00 — Special Tangent Insolving Equations: A New Lens on Students' CAS Activity Proof. Reflections on Teaching Proofs in Technological Era 1:10— Lyublinskaya (A202) Foerster (A204) For (A204) For (A204) For Shack (A217) Around the Lhuillier Problem Regression: Not Just Fitting Points with Suddents Help Students (Bactulus Students and Series with CAS! Calculus CAS!! Collins (A207) Moran (A208) Gapinski (B201-20 or CAS!! Collins (A208) Moran (A208) Gapinski (B201-20 or Cas! Cas! Cas! Cas! Cas! Cas! Cas! Cas!	8:45	Simultaneous	Classroom – It's Not Just For Your Top	on the TI-Nspire and	Solve the Problem -	Acronym: Seamless Integration of Science	Coding and STEM (Part 1 of 3)			
Developing Ways of Thinking: Mathematical Practices, Mathematical Practices, Mathematical Practices, Mathematical Practices, Mathematical Practices, Mathematical Processes, and Computational Thinking 9:55 - Heid (A202) Schiffman (A204) Knapp (A206) Collins (A207) Moran (A208) Gapinski (B201-20 CAS!! 11:00 Fluency and Meaning in Solving Equations: A New Lens on Students' CAS Activity Degree n 11:00 Fonger (A204) Flynn (A202) Sirois (A207) Femily From Prof Using Computers to Computer Proof: Reflections on Teaching Profs in Technological Era 1:10- Lyublinskaya (A202) Foerster (A204) Fox (A204) Fox (A206) Fox (A206) Lancaster (A207) Lesniewski (A208) Brown (B201-203) 1:10- Around the Lhuillier Problem Day (A204) A Deep Dive into the Quadratic Formula A Cas Calculus Students and Superellipses A Heart for Valentine's Day, Limits for Precalculus and Calculus Students and Superellipses Sinck (A217) Sinck (A217) Lesniewski (A208) Koch (B201-203) From Proof Valentine's Day, Limits for Precalculus And Calculus Students and Superellipses A Cas Calculus Students on Coding and STEM (Part 2 of 3) Femelyhough & Ashurst (A208) Hanna (B201-203) Finding Student Society Case Precalculus and Calculus Students	9:45	Flynn (A202)	Klein (A204)	Bird (A206)	Diehl (A207)	Lukens (A208)	Hanna (B201-203)			
Title	9:55	Developing Ways of Thinking: Mathematical Practices, Mathematical Processes, and		to Mathematical LearningYes You	Students Improve Their Understanding	Fitting Points with	Algebra & Geometry Activities with the TI- Innovator Rover			
Fluency and Meaning in Solving Equations: A New Lens on Students' CAS Activity 12:00 - 1:00 Fonger (A204) From Proof Using Computers to Computer Proof: Reflections on Teaching Proofs in Technological Era 1:10- 1:10 Lyublinskaya (A202) Foerster (A204) Foerster (A204) Foerster (A204) Foerster (A204) Formula for Primes For (A206) Formula for Primes Formula for Valentine's Day, Limits for Precalculus and Calculus Students on Students on Students to Ask Better Questions in Science and Math! Nspire Technology Formula for Primes Formula for Primes Formula for Valentine's Day, Limits for Precalculus and Calculus Students on Students on Students on Students on Science and Math! Nspire Technology Formula for Primes Formula for Valentine's Day, Limits for Precalculus and Calculus and Cal	10:55	Heid (A202)	Schiffman (A204)	Knapp (A206)	Collins (A207)	Moran (A208)	Gapinski (B201-203)			
in Solving Equations: A New Lens on Students' CAS Activity 12:00 - 1:00 Fonger (A204) Flynn (A202) Sirois (A207) From Proof Using Computers to Computer Proof: Reflections on Teaching Proofs in Technological Era 1:10 Lyublinskaya (A202) Foerster (A204) For Case Activity 2:10 Around the Lhuillier Problem A CAS Calculus Graphing Project Statistics with Simulations A CAS Calculus Graphing Project A CAS Calculus Graphing Project Statistics with Simulations A CAS Calculus Graphing Project Statistics with Simulations A CAS Calculus Graphing Project Femeyhough & Ashurst (A208) Hanna (B201-203) A Heart for Valentine's Day, Limits for Precalculus and Calculus Students and Superellipses Students to Ask Better Questions in Science and Math! Napire Technology Snack (A217) Fox (A206) Lancaster (A207) Lesniewski (A208) Koch (B201-203) Around the Lhuillier Problem A CAS Calculus Graphing Project Coding and STEM (Part 2 of 3) A Heart for Valentine's Day, Limits for Precalculus and Calculus Students and Superellipses Students to Ask Better Questions in Science and Math! Napire Technology Koch (B201-203) Snack (A217) A Deep Dive into the Quadratic Formula Precalculus Activities for TI-Nspire CAS Technology Technology A CAS Calculus Students and Students and Students and Superellipses Calculus Students and Students and Superellipses A Heart for Valentine's Day, Limits for Pricalculus and Calculus Students and Superellipses Calculus Students and Students and Superellipses A Heart for Valentine's Day, Limits for Pricalculus and Calculus Activities of Trechnology Students to Ask Better Questions in Science and Math! Napire Technology Koch (B201-203) A Deep Dive into the Quadratic Formula Precalculus Activities for TI-Nspire CAS Technology Technology A Deep Dive into the Quadratic Formula Precalculus Activities for TI-Nspire CAS Technology Technology A Deep Dive into the Quadratic Formula Precalculus Activities for TI-Nspire CAS Technology Technology A Deep Dive into the Quadratic Formula	11::00									
From Proof Using Computers to Computer Proof: Reflections on Teaching Proofs in Technological Era 2:10 Lyublinskaya (A202) Foerster (A204) Fox (A206) Fox (A217) Around the Lhuillier Problem ADD Dive into the Quadratic Formula 3:25 Dahan (A202) McCalla (A204) Flynn (A202) Some Exotic Functions and a Formula for Primes Sirois (A207) Sirois (A207) Femily Algebra through Visual and Dynamic Representations A Heart for Valentine's Day, Limits for Pricalculus and Calculus Students and Calculus Students to Ask Better Questions in Science and Math! Fox (A206) Lancaster (A207) Lesniewski (A208) Koch (B201-203) ClassPad.net: The Allin-one Math Tool Class More Engaging With TI Technology Building Paper Bridges Between Algebra and Physicalculus Activities for TI-Nspire CAS Technology ClassPad.net: The Allin-one Math Tool Class More Engaging With TI Technology Building Paper Bridges Between Algebra and Physicalculus Activities for TI-Nspire CAS Technology ClassPad.net: The Allin-one Math Tool Class More Engaging With TI Technology Building Paper Bridges Between Algebra and Physicalculus Activities for TI-Nspire CAS Technology ClassPad.net: The Allin-one Math Tool Class More Engaging With TI Technology Building Paper Bridges Between Algebra and Physicalculus Activities for TI-Nspire CAS Technology ClassPad.net: The Allin-one Math Tool Class More Engaging With TI Technology Building Paper Bridges Between Algebra and Physicalculus Activities for TI-Nspire CAS Technology ClassPad.net: The Allin-one Math Tool Class More Engaging With TI Technology Building Paper Bridges Between Algebra and Physicalculus Activities for TI-Nspire CAS Technology	12:00	in Solving Equations: A New Lens on	Lines to the Graph of a Polynomial of	Statistics with						
Computers to Computer Proof: Reflections on Teaching Proofs in Technological Era 1:10- 2:10	1:00	Fonger (A204)	Flynn (A202)	Sirois (A207)	, ,	Hanna (B201-203)				
2:10 Around the Lhuillier Problem A Deep Dive into the Quadratic Formula 2:25 - 3:25 Dahan (A202) Around the Lhuillier Problem A Deep Dive into the Quadratic Formula Precalculus Activities for TI-Nspire CAS Technology Technology ClassPad.net: The All-in-one Math Tool Class More Engaging with TI Technology With TI Technology Building Paper Bridges Between Algebra and Physical Page (A204) Building Paper Bridges Between Algebra and Physical Page (A205) Brown (B201-203)	1:10-	Computers to Computer Proof: Reflections on Teaching Proofs in	Functions and a	Algebra through Visual and Dynamic	Day, Limits for Precalculus and Calculus Students and	Voice: Empowering Students to Ask Better Questions in	Engaging Geometry Students with TI- Nspire Technology			
Around the Lhuillier Problem A Deep Dive into the Quadratic Formula 2:25 - 3:25 Dahan (A202) A Deep Dive into the Quadratic Formula Precalculus Activities for TI-Nspire CAS Technology ClassPad.net: The Allin-one Math Tool Class More Engaging with TI Technology Algebra and Physical Page Bridges Between Algebra and Physical Page (B201-203) Building Paper Bridges Between Algebra and Physical Page (B201-203) Building Paper Bridges Between Algebra and Physical Page (B201-203) Brown (B201-203)	2:10	Lyublinskaya (A202)	Foerster (A204)	Fox (A206)	Lancaster (A207)	Lesniewski (A208)	Koch (B201-203)			
Around the Liuillier Problem	2:10	Snack (A217)								
	2:25			for TI-Nspire CAS		Class More Engaging	Building Paper Bridges Between Algebra and Physics			
SHNDAY	3:25	Dahan (A202)	McCalla (A204)	Parr (A206)	Zamora (A207)	Dicker (A208)	Brown (B201-203)			
				SUNDAY						

SUNDAY										
7:45	Continental Breakfast (C203-205)									
8:30	The Common Core At Nine Years: An Analysis	Connecting Physics and Mathematics with Parabolas, Ellipses and CAS	Using CAS in Advanced Functions	Exploring the HP Prime's CAS Including the Algebra of Units	Coding and STEM (Part 3 of 3)					
9:30	Usiskin (A202)	Todd (A204)	Ashurst & Ferneyhough (A208)	Grasse (A207)	Hanna (B201-203)					
9:40	I Can't Get No Satisfaction Without CAS	Intervention Strategies for Struggling Learners in Algebra: CAS to the Rescue!	Exploring Theorems in Geometry with CAS	Mathematically Model Data from Al Gore's Climate Reality Project and US Government Global Climate Report	Match the Graph with Robots					
10:40	Beaudin (A204)	Lyublinskaya (A202)	Fraher (A206)	Reardon (A207)	Brown (B201-203)					
10:50	Cubic Polynomials Are So Interesting	Employing CAS to Discover Unusual Properties of Polynomial Functions Rarely Covered in Calculus Classes	Lessons from CAS	Using the CBR-2 Motion Detector to Explore Sinusoidal Functions.						
11:50	Flynn (A202) Schiffman (A204) Fox (A206) Washburn (A207)									
12:00										