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

Time						
7:30	**Registration (main entrance) and Continental Breakfast (C203-205)**					
8:00 -- 8:30	**Welcome and Orientation (C203-205)** *Klein, Jakucyn, Hamilton, Reardon, Gapinski, Johnson*					
8:45 -- 9:45	Amazing Simultaneous Equations *Flynn (A202)*	CAS in the Math Classroom – It's Not Just For Your Top Students *Klein (A204)*	What's New with CAS on the TI-Nspire and STEM Fun *Bird (A206)*	The Right Tool to Solve the Problem – An Incredible Journey *Diehl (A207)*	Bridging the STEM Acronym: Seamless Integration of Science and Math *Lukens (A208)*	Coding and STEM (Part 1 of 3) *Hanna (B201-203)*
9:55 -- 10:55	Role of CAS in Developing Ways of Thinking: Mathematical Practices, Mathematical Processes, and Computational Thinking *Heid (A202)*	Exploring Sequences and Series with CAS *Schiffman (A204)*	Adding 'Perspective' to Mathematical Learning…Yes You CAS!! *Knapp (A206)*	Using CAS to Help Students Improve Their Understanding of Calculus. *Collins (A207)*	Regression: Not Just Fitting Points with Spaghetti *Moran (A208)*	Algebra & Geometry Activities with the TI-Innovator Rover *Gapinski (B201-203)*
11::00	**Lunch (Courtyard or Library)**					
12:00 -- 1:00	Fluency and Meaning in Solving Equations: A New Lens on Students' CAS Activity *Fonger (A204)*	Special Tangent Lines to the Graph of a Polynomial of Degree n *Flynn (A202)*	Teaching Inferential Statistics with Simulations *Sirois (A207)*	A CAS Calculus Graphing Project *Femeyhough & Ashurst (A208)*	Coding and STEM (Part 2 of 3) *Hanna (B201-203)*	
1:10-- 2:10	From Proof Using Computers to Computer Proof: Reflections on Teaching Proofs in Technological Era *Lyublinskaya (A202)*	Some Exotic Functions and a Formula for Primes *Foerster (A204)*	Understanding Algebra through Visual and Dynamic Representations *Fox (A206)*	A Heart for Valentine's Day, Limits for Precalculus and Calculus Students and Superellipses *Lancaster (A207)*	Finding Student Voice: Empowering Students to Ask Better Questions in Science and Math! *Lesniewski (A208)*	Engaging Geometry Students with TI-Nspire Technology *Koch (B201-203)*
2:10	**Snack (A217)**					
2:25 -- 3:25	Around the Lhuillier Problem *Dahan (A202)*	A Deep Dive into the Quadratic Formula *McCalla (A204)*	Precalculus Activities for TI-Nspire CAS Technology *Parr (A206)*	ClassPad.net: The All-in-one Math Tool *Zamora (A207)*	Make Your Math Class More Engaging with TI Technology *Dicker (A208)*	Building Paper Bridges Between Algebra and Physics *Brown (B201-203)*

SUNDAY

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