MAA Intermountain Section Conference 2014, Utah Valley University

Friday, March 28, 2014

Time	Teaching Session: SB 246 Chairs: Eric Rowley & Ben Woodruff	Integration Bee SB 260	Applied Math Session A: SB 263 Chair: Guifang Fu	Applied Math Session B: SB 268 Chair: Dave Brown
2:20 pm	**Matt Lewis** Authentic Mathematics on Target		**Leonard Bakker** Open Sets of Diffeomorphisms with Trivial Centralizers in the C^1 Topology	**Ammon Washburn** Modeling wave propagation through metamaterials
2:40	**Brendan Kelly** Intermediate Algebra		**Sean Bailey and David E. Brown** Aliens vs Zombies: An Introduction to Bipartite Dot Product Groups	**Mike Snyder & Dave Brown** A dynamic representation of a homeless network
3:00	**Piotr Runge** Interactive Visualizations using Geogebra		**Trevor Williams** The Game of Thrones	**Joe King** Burning Down the Cost: A Study to Optimize Wild fire Expenses
3:20	**Danae Romrell** The Role of Worked Examples in Mathematics Instruction		**Brennon Bauer, and Amy Gifford** A Stable Semi-Implicit Numerical Scheme for a Competition Model Arising in Math Biology	**Alyssa Nugent** This was part of the COMAP Mathematical Contest in Modeling (MCM), Problem B
3:40	**Richard Pieper** Common Core State Standards – Implications for Higher Education		**Jianlong Han** Long-term behavior and numerical analysis of a nonlocal evolution equation with Kac potentials	**Kathleen Schut & Dempsey Rogers** MCM B. Keep Right Except to Pass
4:00	**Emma (Turner) Schafer** Counting: As easy as 1-2-6		**Ram Neupane** Mathematical Model of Active Seed Dispersal by Frugivorous Birds and Speed of Invasion	**Seth Armstrong** A Stable Numerical Scheme for System of Competing Species with Diffusion
4:20	**Sum Chow** Is There a Pot of Gold in a Metamaterial World?		**Sergio Ramirez & Katherine Richardson** Agent Based Modeling Approach for Sterile Insect Technique Simulation	**Elise Hardle** Exploring the Wave Equation in Finite Domains
4:40	**Kay Litchfield** A Significant High School Algebra Exercise – Sines (and Cosines) of 3N Degrees		**Sarah Reehl** Errors and Assays: The Story of the Little *n* That Could	**David Brown** "Hall's Stable Marriage Theorem" revisited and revised to recognize same-sex relationships