



Program At-A-Glance

Friday, April 11

	Track A Room O269	Track B Room O267	Track C Room O259	Track D Room O257
01:35 PM - 01:45 PM Friday 04/11/2014	Moench Hall E104, Opening Remarks Dr. Rick Stamper			
01:45 PM - 02:35 PM Friday 04/11/2014	Moench Hall E104, Plenary Talk The Role of Mathematics and Computer Science in Computational Simulation Dr. David Womble, Sandia			
03:00 PM - 03:20 PM Friday 04/11/2014	Peck, Hailee Millikin University On the Center of Zero-Divisor and Ideal-Divisor Graphs of Finite Commutative Rings	Davis, Noah Aquinas College Squaring the circle in hyperbolic space	Evans, Elizabeth Rose-Hulman A Bicycle Crash Inspires an Inquiry-Based Learning Activity	Lopez, Robert Maplesoft Clickable Calculus - An Example
03:25 PM - 03:45 PM Friday 04/11/2014	Rafei, Alireza Santa Monica College A survey of the Surreal numbers, their algebra and applications	Poe, Tim IUPUI Slide to the Future	Nguyen, Tung Illinois Wesleyan University Construction of Spline Type Orthogonal Scaling Functions and Wavelets	Gipe, Jackie Aquinas College Invertible chord diagrams from the wheel
03:50 PM - 04:10 PM Friday 04/11/2014	Austgen, Brent Rose-Hulman Set Cover Model for Production Scheduling	Fenstermacher, Todd Gegner, Ethan Taylor University Zero-Divisor Graphs of Upper-Triangular Matrices	Wyatt, Marcus Manchester University Rubik's Cube Theory	Wu, Naiyi Saint Francis University Mathematical Modeling on Open Limestone Channel
04:10 PM - 04:25 PM Friday 04/11/2014	Break			
04:25 PM - 04:45 PM Friday 04/11/2014	Schneider, Aaron Illinois College Mixed, Multi-color, and Bipartite Ramsey Numbers Involving Trees of Small Diameter	Hale, Lindsay IUPUI/3D Imaging of the Craniofacial Complex Center Maxillary sinus segmentation and volumetric calculations from three-dimensional cone beam computed tomography	McLaughlin, Michael Ohio University Polarizations with Respect to Infinite Type Hypersurfaces	Estep, Roger Hughes, Robert Marshall University Agent-Based Modeling of Pandemic Influenza
04:50 PM - 05:10 PM Friday 04/11/2014	Zellner, Alex Rose-Hulman Compressed Sensing Sensitivity Study	Sneed, Brett Rose-Hulman Perfectly Matched Layers and the Art of Cloaking	Lee, Mintaek Boise State University The Hot Hand in Number Matching Lottery Games	Manary, Elizabeth Illinois College Embedding the lattice M_ℓ as a 0-1 sublattice in subgroup lattices of direct powers of \mathbb{Z}_n
05:15 PM - 05:35 PM Friday 04/11/2014	Jones, Edna Rose-Hulman Institute of Technology Extraordinary Subsets, Generating Sets, and Combinatorial Proofs	Baumbaugh, Travis Rose-Hulman Institute of Technology Optimization of UAV Positions for Geolocation	Hettle, Cyrus University of Kentucky On the flag enumeration of the subspace lattice	Haarmann, Jason Eastern Illinois University Factorization Properties of Leamer Monoids
06:00 PM - 07:00 PM Friday 04/11/2014	Hulman Union Kahn Room Dinner			
07:30 PM - 08:20 PM Friday 04/11/2014	Moench Hall E104, Plenary Talk Uncertainty Quantification for Physical and Biological Models Dr. Ralph Smith, North Carolina State University			



Saturday, April 12

08:30 AM - 09:30 AM Saturday 04/12/2014	Moench Hall E104, Best Presentation Competition Taylor Brysiewicz, Alexander Thomas, and Daniel Hirsbrunner, Yiwang Chen, Tong Zhang
09:40 AM - 10:30 AM Saturday 04/12/2014	Moench Hall E104, Panel Discussion Industrial Careers in Mathematics Dr. David Womble, Mr. Daniel Skoog, Dr. Jeremiah Reinkoester, Dr. Christina Selby, Dr. Mark Inlow
10:40 AM - 11:30 AM Saturday 04/12/2014	Moench Hall E104, Panel Discussion on Graduate School Dr. Richard Laugesen, Dr. Matthias Weber, Mr. Chase Mathison, Mr. Jason Sauppe
11:40 AM - 12:30 PM Saturday 04/12/2014	Moench Hall E104, Plenary Talk A Mathematician in Industry Dr. David Womble, Sandia National Labs