

The 24th Annual Rose-Hulman Conference on Undergraduate Mathematics

Detailed Daily Schedule

Schedule of Events for Friday, March 9, 2007

12:00 p.m. – 1:30 p.m.: Lunch in the Main Dining Room in the Hulman Memorial Union

1:30 p.m. – 1:40 p.m.: Welcome, GM Room, B-111, Moench Hall

Dr. Art Western, Vice President for Academic Affairs and Dean of Faculty

1:40 p.m. – 2:40 p.m.: Invited Speaker Presentation, GM Room, B-111, Moench Hall

Determinants Via Determined Ants

Jennifer Quinn, University of Puget Sound

2:45 p.m. – 3:15 p.m.: Coffee, Soda, and Snack Break, Room G-220, Crapo Hall

Contributed Student Papers

	Room G-219, Crapo Hall	Room G-221, Crapo Hall
3:30 – 3:50 p.m.	<i>Normal Subgroups of the Wreath Product of a Finite p-Group</i> S. Bocking, A. Hamm, and S. Ruth, University of Evansville	<i>The Count is Plus Eight. Should I Hit, Split, Double Down, or Stay??</i> T. Le, Siena Heights University
4:00 – 4:20 p.m.	<i>Galois Representations Associated to Modular Forms</i> H. Ravindran, Rose-Hulman Institute of Technology	<i>Determinants of Aggregate Saving: Analysis of Lagged Effects from US Data, 1959-2006</i> K. Peters and M. Voegel, University of Evansville

4:20 p.m. – 4:40 p.m.: Coffee, Soda, and Snack Break, Room G-220, Crapo Hall

Contributed Student Papers

	Room G-219, Crapo Hall	Room G-221, Crapo Hall
4:40 – 5:00 p.m.	<i>A Mathematical Algorithm for the Thermal Imaging of Defects</i> V. Oyeyemi, Goshen College	<i>On the Minimum Vector Rank of a Graph</i> I. Rogers, Rose-Hulman Institute of Technology

5:30 – 6:45 p.m.: Dinner in the Faculty Dining Room in the Hulman Memorial Union

7:00 – 8:00 p.m.: Invited Speaker Presentation, Room E-104, Moench Hall

Big Waves on Deep Water - Tsunamis and Rogue Waves

Jerry Bona, University of Illinois at Chicago

8:30 – ? : Student and Faculty Parties – see your packets for more information

*** Registration from 10 – 2 in Hadley Hall.**

Schedule of Events for Saturday, March 10, 2007

8:00 – 8:55 a.m.: Donuts, coffee, and other snacks in Crapo-Moench Commons Area

* Book gifts for **student speakers** on display (submit list of preferences).

9:00 – 10:00 a.m.: Invited Speaker Presentation, GM Room, B-111, Moench Hall

Mathematics and Beach Protection

Jerry Bona, University of Illinois at Chicago

Contributed Student Papers

	Room G-219, Crapo Hall	Room G-221, Crapo Hall
10:10-10:30 a.m.	<i>Computer Lease/Purchase Options for the Fortune 500</i> Bryan Beebe, Siena Heights University	<i>Novel Statistical Method for Analyzing Spectroscopic Ligand Binding Data Using Matlab</i> A. Georgas, Rose-Hulman Institute of Technology
10:40-11:00 a.m.	<i>Affinely Self-Generating Sets and Morphisms</i> A. Gouge, Truman State University	<i>A Look at the Mathematics of Automated Model Checking</i> B. Borkholder, Rose-Hulman Institute of Technology

11:00 – 11:20 a.m.: Coffee, Soda, and Snack Break, Room G-220

Contributed Student Papers

	Room G-219, Crapo Hall	Room G-221, Crapo Hall
11:20-11:40 a.m.	<i>Refinability of Rational Functions</i> E. Spears, Rose-Hulman Institute of Technology	<i>The Winning Hand</i> B. Hubartt, University of Evansville
11:50-12:10 p.m.	<i>Characterizing Holes in Wires and Plates: Inverting the Heat Equation</i> T. Werne, Rose-Hulman Institute of Technology	<i>Optimizing 4th-order and 5th-order Explicit Runge-Kutta Formulas</i> S. Dupal, Rose-Hulman Institute of Technology

12:15 – 1:30 p.m.: Lunch & Book Gifts in The Worx in the Hulman Memorial Union

We gratefully acknowledge support for this year's conference from funding through the MAA and the NSF grant DMS-0536991.