

The 23rd Annual Rose-Hulman Conference on Undergraduate Mathematics

Schedule of Events for Friday, March 31, 2006

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

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

Optimal Oncology

Allen Holder, Trinity University

2:45-3:00 p.m.: Coffee, Soda, and Snack Break, Room G-220, Crapo Hall

Contributed Student Papers – Parallel Sessions

	Room G-219, Crapo Hall	Room G-221, Crapo Hall
3:00 – 3:20 p.m.	<i>Mathematics, It's Almost Like Cheating</i> Tim Blaharski, Siena Heights University	<i>A Markov Analysis of the Pathfinder Game</i> Matthew Spensor, University of Evansville
3:30 – 3:50 p.m.	<i>Knots in Chemistry</i> Jasmine Spady, Hillsdale College	<i>Breaking the MD5</i> Brandon Borkholder, Rose-Hulman Institute of Technology

3:50 -4:10 p.m.: Coffee, Soda, and Snack Break, Room G-220, Crapo Hall

Contributed Student Papers – Parallel Sessions

	Room G-219, Crapo Hall	Room G-221, Crapo Hall
4:10 – 4:30 p.m.	<i>Ideal-Divisor Graphs of Commutative Rings</i> J.D. McKeel, University of Evansville	<i>Using Mathematical Modeling to Develop an Optimal Inventory Strategy for Perishable Products</i> Candice Ohm, Siena Heights University
4:40 – 5:00 p.m.	<i>GPS Navigation Solution – An Alternative Way to Solve for User Position Using GPS</i> Mathew Cosgrove, Miami University	<i>Benford and Winning Streaks</i> Lee McDaniel, Rose-Hulman Institute of Technology

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

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

The Zeta Function for Beginners

Michael Rosen, Brown University

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

Schedule of Events for Saturday, April 1, 2006

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

9:00 – 10:00 a.m.: Invited Speaker Presentation, Room E-104, Moench Hall

Irreducible Polynomials Modulo p

Michael Rosen, Brown University

Contributed Student Papers

	Room G-219, Crapo Hall
10:10-10:30 a.m.	<i>A Mathematical Look into Kaleidoscopes</i> Leonie VanderHoff, Siena Heights University
10:40-11:00 a.m.	<i>Do Dogs Really Know Calculus?</i> Eric Reyes, Rose-Hulman Institute of Technology

11:00 – 11:10 a.m.: Coffee, Soda, and Snack Break, Room G-220

Book gifts for student speakers displayed in Crapo-Moench Commons Area

Contributed Student Papers

	Room G-219, Crapo Hall
11:10-11:30 a.m.	<i>Thermal Imaging of Circular Inclusions</i> Donald Brown, University of Cincinnati
11:40-12:00 p.m.	<i>Investigating the Shape of a Cookie</i> Hari Ravindran, Rose-Hulman Institute of Technology

12:10 – 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-0241090.