

# The 25<sup>th</sup> Annual Rose-Hulman Conference on Undergraduate Mathematics

## Detailed Daily Schedule

**Schedule of Events for Friday, April 11, 2008**

**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**  
*Digital Imaging and Mathematics*  
 John F. Hamilton, Jr., Kodak Research Labs.

**2:45 p.m. – 3:15 p.m.: Coffee, Soda, and Snack Break, GM Room B-111, Moench Hall**

### Contributed Student Papers

GM Room B-111, Moench Hall	
<b>3:30 – 3:50 p.m.</b>	<i>Mathematical Models for Noise Removal in Image Processing</i> Jessica David University of Evansville
<b>4:00 – 4:20 p.m.</b>	<i>Numerical Beam Propagation</i> Megan Knilands Rose-Hulman Institute of Technology

**4:20 p.m. – 4:40 p.m.: Coffee, Soda, and Snack Break, GM Room B-111, Moench Hall**

### Contributed Student Papers

GM Room B-111, Moench Hall	
<b>4:40 – 5:00 p.m.</b>	<i>Families of Elliptic Curves over Finite Fields</i> Matthew Niemerg Eastern Illinois University

**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**  
*Quaternions, Octonions, and Beyond*  
 Dan Isaksen, Wayne State University

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

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

**Schedule of Events for Saturday, April 12, 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**  
*Industrial Mathematics*  
John F. Hamilton, Jr., Kodak Research Labs.

**Contributed Student Papers**

	<b>GM Room B-111, Moench Hall</b>
<b>10:10 – 10:30 a.m.</b>	<i>Monte Carlo Methods to predict Commodity Pricing</i> Kristin Reid Siena Heights University
<b>10:40 – 11:00 a.m.</b>	<i>Implementation of the Cocke-Younger-Kasami Algorithm</i> Harley Eades Millikin University

**11:00 – 11:20 a.m.: Coffee, Soda, and Snack Break, GM Room B-111, Moench Hall**

**Contributed Student Papers**

	<b>GM Room B-111, Moench Hall</b>
<b>11:20 – 11:40 a.m.</b>	<i>A Statistical Look at Mapping the Discrete Log</i> Nathan Lindle Rose-Hulman Institute of Technology
<b>11:50 – 12:10 p.m.</b>	<i>With the First Pick in the NBA Draft: A Statistical Analysis of the 1997 - 2001 NBA Drafts</i> Matt Poisel Franklin College

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

Access to the wireless network can be obtained by using the username and password: mathconf-guest

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