

INMAA Spring Meeting

St. Mary's College
March 28–29, 2008

Friday, March 28, 2008

Time	Event	Room
3:00–5:00 pm	Registration	Madeleva Hall, 2nd floor
3:30–3:50 pm	ICMC Registration	Madeleva Hall, 2nd floor
4:00–4:15 pm	ICMC Orientation	Carroll Auditorium
4:30–6:30 pm	ICMC Contest	Various Rooms
3:30–6:10 pm	Book Sale	Madeleva Hall, Room 224

Friday Parallel Sessions, Madeleva Hall

Time	Room 233	Room 239	Room 247
4:30–4:55	Umbilics and Loewner's Conjecture Steven Broad University of Notre Dame	Existence Theorems for Large Scientific Balloons Michael Barg Rose-Hulman Institute of Technology	Illuminating Group Lattices Nancy Rodgers Hanover College
5:00–5:25	Introduction to Posets and Mobius Inversion Tom Edgar University of Notre Dame	Volume, Centroids, and the Theorem of Pappus in Spherical and Hyperbolic Geometry Robert Foote Wabash College	Using Portfolio Assessment in Mathematics Courses for Elementary Teachers Betsy Berry IPFW
5:30–5:55	Tuberculosis: Should we be vaccinating David Gerberry Purdue University	Grace Hopper: The Ultimate American Mathematician Eva Sagan Indiana Institute of Technology	Factors that support (or inhibit) the use of technology in teaching mathematics Kathryn Shafer Bethel College

Friday Banquet

6:30–7:30pm	Dinner and Awards	Noble Family Dining Hall West Wing
7:30–8:30	Voters Vote and Candidates Win: What's so hard about that? Tommy Ratliff, Wheaton College	Noble Family Dining Hall West Wing
8:45–10:00	Undergraduate Student Workshop: Strategic and Cooperative Games Session 1: Strategic Games David Housman, Goshen College	Madeleva Hall Room 249

Saturday, March 29, 2008

Time

7:00—8:00 am	Chairs/Liaisons Breakfast	Perkins Restaurant 423 S Dixie Way, South Bend, IN
7:45—8:30 am	Registration	Madeleva Hall, 2nd floor
8:00 am—3:00 pm	MAA Book Sale	Madeleva Hall, Room 224
8:15—8:25 am	Welcome Joe Incandela, Associate Dean of Faculty	Carroll Auditorium
8:25—9:25 am	A Little Geometry, a Little Linear Algebra, and a Lot of Insight into Voting Tommy Ratliff, Wheaton College	Carroll Auditorium

Saturday Parallel Sessions

Time	Room 233	Room 239	Room 247
9:30—9:55	An Exploration of Cardinality Using Binary Numbers Jeremy Erickson Taylor University	Mathematics and Nature Courtney Parry Saint Mary's College	Admissible Sets for the Finite Radon Transform Andrea Zentz Ball State University
10:00—10:25	Investigating p-colorability of Twisted Torus Knots: Motivation and Conjectures Jonathan Schrock Taylor Univeristy	Maximizing a Student's Final Grade Valerie J. Young Saint Mary-of-the-Woods College	A Basic Introduction to the Repeated Prisoner's Dilemma Nate Orlow Purdue University
10:30—10:55	Investigating p-colorability of Twisted Torus Knots: Methods and Results Matthew Russell Taylor University	Will Your Basketball Team Win the NCAA? Finding the Probability Ashley Riley Saint Mary-of-the-Woods College	Developing an Intelligent Tutoring System Adam Shull Valparaiso University
11:00—11:25	Zeno's Paradoxes in the modern perspective Brian Murphy Ivy Tech Community College	Window Lattices and Symmetry Groups Fozia Qazi St. Mary's College	Undergraduate research in Mathematical Biology: starting low and aiming high Daniel Maxim Valparaiso University
11:30—11:55	The Better Box Paradox Andrew Rich Manchester College	The Shape of French Bread David Finn Rose-Hulman Institute of Technology	Modified Leap Years and Alternating Series Robert Myers Bethel College

11:00—12:15

Undergraduate Student Workshop: Strategic and Cooperative Games

Madeleva Hall
Room 249

Session 2: Cooperative Games

David Housman, Goshen College

Saturday Afternoon Session

Time

12:00 noon	Lunch	Noble Family Dining Hall West Wing
1:15–1:30	ICMC Review	Carroll Auditorium
1:30–1:55 pm	Business Meeting	Carroll Auditorium
2:00–3:00 pm	Planar Linkages	Carroll Auditorium

Nancy Hagelgans
MAA Executive Committee
Ursinus College