

**METRO AND SEAWAY SECTIONS  
MATHEMATICAL ASSOCIATION  
OF AMERICA**

**2006 FALL MEETING  
October 13-14, 2006  
Marist College**

**PROGRAM**

**Friday afternoon, Lowell Thomas 125**

3:00 – 6:00 Meeting of the Seaway Executive Committee

**Friday Evening, Student Center, Rooms 348/348A/349.**

6:00 – 7:00 Social Hour (cash bar)

7:00 – 8:30 Banquet

8:30 – 9:20 *Some History of the Calculus of the Trigonometric Functions.*  
V. Frederick Rickey, USMA.

**Saturday Morning, Student Center, Nelly Goletti Theater**

9:25 – 9:55 Business meeting of the Seaway Section.

10:10 – 11:00 *Planar Linkages*  
Nancy Hagelgans, Ursinus College

11:10 – 12:00 *Increasing the Numbers of Mathematics Majors*  
William Y. Velez, The University of Arizona  
Note this talk is in Lieu of the Seaway Randolph Lecture

**Lunch: 12:00 – 1:15 Student Center, Caberet**

**Student Center, Nelly Goletti Theater**

1:15 – 2:05 *The Mathematics of \*Not\* Voting*  
William S. Zwicker Union College

**Saturday Afternoon, Donnelly Hall, Room 225**

2:15 – 3:30 Panel Discussion: *New York State's K-12 Mathematics Curriculum and the National Forces That Mold It*

3:45 – 4:10 *Mathematics in Children's Books*  
Heather A. Lewis, Nazareth College

4:15 – 4:40 *A Musical Exercise Used in a Liberal Arts Mathematics Course*  
Rehana Patel, St. John's University

**Saturday Afternoon, Donnelly Hall, Room 100**

2:15 – 2:40 *An Optimal Estimator for the Unknown Number of Sides of a Fair "Die"*

James Marengo, Rochester Institute of Technology

2:45 – 3:10 *Visualizations in Fractional Calculus*

Joseph D. Myers, US Military Academy, Westpoint

3:15 – 3:40 *Bifurcations in the Lang-Kobayashi system*

Tamas Wiandt, RIT, V. Kovanis (USAF)

3:45 – 4:10 *Assuring an Adequate Source of (Pseudo-) Random Seeds: A Ready and Steady Supply*

Danielle Mihram, G. Arthur Mihram, University of Southern California

4:15 – 4:40 *Basic Calculator workshop*

James Salvadon, Rockland C. College

**Saturday Afternoon, Donnelly Hall, Room 104**

2:15 – 2:40 *Two Approaches to a CNT Self-Folding Problem*

Yozo Mikata, Lockheed Martin

2:45 – 3:10 *Fortunate Primes*

Jay L. Schiffman, Rowan University

3:15 – 3:40 *The Stern and Fibonacci diatomic arrays*

Sam Northshield, SUNY-Plattsburgh

3:45 – 4:10 *Feasible Task Schedules with Minimum Project Cost Solved by a Genetic Algorithm* Michael L. Gargano, Pace University, Louis V. Quintas, Pace University

**Saturday Afternoon, Donnelly Hall, Room 106**

2:15 – 2:40 *A Method for Generating Integer Solutions to Matrix Equations*  
Raymond N. Greenwell and Stanley Kertzner, Hofstra University

2:45 – 3:10 *Arithmetic in the Ring of Formal Power Series over the Integers*  
Daniel Birmajer, from Nazareth College in Rochester

3:15 – 3:40 *Uniformly Primary Ideals*

Jonathan Cox, SUNY Fredonia

3:45 – 4:10 *Groups as Unions of Proper Subgroups*

Mira Bhargava, Hofstra University

4:15 – 4:40 *Accuracy of Solving a Quadratic Equation*

Abdramane Serme, Borough of Manhattan Community College

**Saturday Afternoon, Donnelly Hall, Room 211**

2:15 – 2:40 *Experiences from Teaching a Mathematics Education Course in Macedonia*

Risto Atanasov, SUNY Binghamton

2:45 – 3:10 *Interdisciplinary Cross-Talk: Will it make a difference?*

Trica M. Miles, United States Military Academy

3:15 – 3:40 *Mathematics in Learning Communities*

Robert D. Keever, SUNY Plattsburgh

3:45 – 4:10 *Speech across the Curriculum: It's About Time! Implementing Oral Communication activities in the Math classroom*

Orlando B. Alonso and Louis Lucca, LaGuardia Community College

4:15 – 4:40 *Using Writing to Understand Functions*  
George McCormack, LaGuardia Community College

**Saturday Afternoon, Donnelly Hall, Room 238**

2:15 – 2:40 *How do Middle School Students Perceive the Importance of Math?*  
Denise Yull, Broome Community College

2:45 – 3:10 *The William Varick Nevins III High School Mathematics Competition at Alfred University*  
Joseph Petrillo, Alfred University

3:15 – 3:40 *Calculus for Pre-service Teachers: Faculty members' and student teachers' perceptions*  
Lee Fothergill, Mount Saint Mary College

3:45 – 4:10 *Using Projects in Teaching Number Theory*  
Nancy King Harrison, Mercy College

4:15 – 4:40 *Mathematical Modeling in the Classroom Using Electrical Circuits*  
MAJ Josh Helms, United States Military Academy

**Saturday Afternoon, Donnelly Hall, Room 236**

2:15 – 2:40 *Some Sequences of Graphs and their Chromatic Polynomials*  
Hossein Shahmohamad, Rochester Institute of Technology

2:45 – 3:10 *Unfolding spaces and ends of groups by example*  
Tom Klein, Binghamton University

3:15 – 3:40 *Fractal distribution networks and the kidney and lung optimal organ form*  
Walton R. Gutierrez, Touro College

3:45 – 4:10 *Envelopes and String Art*  
Greg Quenell, SUNY Plattsburgh

4:15 – 4:40 *The Geometrical Interpretation of Algebraic Equations*  
Shiyuan Wei, Hostos Community College of CUNY

**Saturday Afternoon, Donnelly Hall, Room 240**

2:15 – 2:40 *Ordinate Geometry: Vignettes from the Seventeenth Century*  
Christopher Baltus, SUNY College at Oswego

2:45 – 3:10 *Oresme, Galileo and the Law of Free Fall*  
Olympia Nicodemi, SUNY Geneseo

3:15 – 3:40 *Breaking the Japanese Navy Codes*  
Marina Vulis

3:45 – 4:10 *My journey through mathematics as a long time student and new teacher*  
Gabriela Mendoza, SUNY at Binghamton

4:15 – 4:40 *Mathematics Education in Secondary Schools in Malaysia*  
Normuhainiah M Ali, SUNY at Binghamton and Norhaniza Sarmin, Universiti Teknologi Malaysia

**Student Presentations**

**Saturday Afternoon, Donnelly Hall, Room 236a**

2:15 - 2:40 *Big Square Polyominoes and Other Exercises in "Game Theory"*  
Carol Callesano, Rochester Institute of Technology

2:45 - 3:10 *A Foray Into Biostatistics*  
Matthew Healy, Clarkson University

3:15 - 3:40 *A Mathematical Model for the Dynamics of NEO (Near Earth Objects)*  
Sandra Anita Lacea, SUNY Brockport

3:45 - 4:10 *Local Regularization Approach in the Solution of Ill-Posed problems*  
Kourosh Modarresi, Stanford University

4:15 - 4:40 *Half Teacher, Half Student*  
Chris Watts, SUNY Oswego

***Please post and distribute.***  
**FUTURE MEETINGS:**

**SEAWAY SECTION:**  
**2007 SPRING MEETING**

**April 27-28, 2007**

**SUNY Oneonta**

**METRO SECTION:**

**May 6, 2007**

**Sarah Lawrence College**  
**Bronxville, NY**

## **Registration, Meals, and Refreshments**

Registration will take place in the Student Center, Nelly Goletti Theater on Friday evening during the social hour from 6:00 to 7:00, and on Saturday morning from 8:45 until 12:00 in the Student Center foyer. Lunch will be served in the Student Center.

## **Directions to Marist College**

### **From the North**

From Albany, take New York State Thruway Route 87 south to Exit 18 (New Paltz/Poughkeepsie/Route 299 Exit). Make a right onto Route 299 East. At the end of Route 299, go south on Route 9W for a few traffic lights to Route 44-55 and the Mid-Hudson Bridge. Stay right on the bridge and take the first right for Route 9 North. You will actually go south for a moment and then loop around to Route 9 North. Go north for about 1.5 miles and Marist is on your left.

### **From the West**

Take Route 17 East to Liberty, NY. In Liberty, take Route 52 East from Route 17. Follow Route 52 to Route 209 North. From Route 209, get on Route 44 East. This will take you to the Mid-Hudson Bridge. Stay right on the bridge and take the first right for Route 9 North. You will actually go south for a moment and then loop around to Route 9 North. Go north for about one mile and Marist is on your left.

### **From the South**

Option A: Take Route 87 North to Exit 18 (New Paltz/Poughkeepsie/Route 299 Exit). Make a right onto Route 299 East. At the end of Route 299, go south on Route 9W for a few traffic lights to Route 44-55 and the Mid-Hudson Bridge. Stay right on the bridge and take the first right for Route 9 North. You will actually go south for a moment and then loop around to Route 9 North. Go north for about 1.5 miles and Marist is on your left.

Option B: Take the Taconic Parkway North (go past Route 84) to Route 55 West. You will go through Poughkeepsie and come to Route 9. Take a right and get onto Route 9 North. Go north for about 1.5 miles and Marist is on your left.

### **From New York City**

Take the Hutchinson River Parkway to 684 North to I-84. Take I-84 West to exit 13 (Route 9). Marist College is located approximately 15 miles north on the left side of Route 9.

### **From Long Island**

From the Whitestone and Throggs Neck Bridges, take the Hutchinson River Parkway North to I-684; continue onto I-84 West to exit 13 (Route 9 North). Marist College is located approximately 15 miles north on the left side of Route 9.

## **Parking Information**

**Friday Executive Committee Meeting of the Seaway:** Lowell Thomas Parking Lot: This meeting will take place in Lowell Thomas 125. From Route 9, take the Main Entrance into Marist College. As you turn into the college, the Lowell Thomas building will be on your right. After you go past the building, take your first right. You can park in the Lowell Thomas parking lot, which will be the first parking lot on your right. Enter Lowell Thomas from the door facing the parking lot. Go up one flight of stairs and enter the door onto the first floor of Lowell Thomas. Go to the end of the hall, go left and Lowell Thomas 125 is on your right.

**Friday Social Hour, Dinner, and Talk** by Fred Rickey - park in the Lowell Thomas Parking Lot: This event will take place in the Student Center; follow the signs. From Route 9, take the Main Entrance into Marist College. As you turn into the college, the Lowell Thomas building will be on your right. After you go past the building, take your first right. You can park in the Lowell Thomas parking lot, which will be the first parking lot on your right. The Student Center has a large round granite and glass entrance diagonally across the road (toward the river) from the Lowell Thomas parking lot. The word MARIST is above the entrance.

**Saturday:** The conference will be held in the Student Center and Donnelly Hall. Registration, the business meeting, and the invited talks will take place in or just outside of the Nelly Goletti Theatre in the Student Center. There are two parking lots that can be used. Donnelly Hall Parking Lot: From Route 9, take the Main Entrance into Marist College. Take your first left and follow the road toward and then around Donnelly Hall, which is a round silver building. The parking lot is just south of Donnelly Hall. The Student Center is directly west of the parking lot toward the river. Gymnasium/McCann Center Parking Lot: From Route 9, take the Main Entrance into Marist College. Take your first right and follow the road toward and then around Donnelly Hall, which is a round silver building. After going around the building, you must turn left. After this turn, the gym/McCann Center parking lot is the first right. The Student Center is north of the parking lot.

**Handicapped Parking: Use the Donnelly parking lot.**

### **Accommodations**

Blocks of rooms have been reserved at three hotels. Please see the meeting website for details.

### **Meeting Website**

Driving directions, maps, an online registration form, information about hotels, and the latest program details may be found at the meeting website:

[www.math.binghamton.edu/maa\\_seaway/Meetings/index.html#upcoming\\_meeting](http://www.math.binghamton.edu/maa_seaway/Meetings/index.html#upcoming_meeting)