

**SEAWAY SECTION  
MATHEMATICAL ASSOCIATION  
OF AMERICA**

**2009 FALL MEETING  
October 23-24  
SUNY FREDONIA**

**PROGRAM**

**Friday afternoon, Conference Room, Clarion Hotel**

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

**Friday Evening, Lighthouse Ballroom, Clarion  
Hotel Dunkirk, NY**

6:00 – 7:00 Social Hour (cash bar)

7:00 – 8:30 Banquet

8:30 – 9:30 Jeff Johannes & Gary Towsley, SUNY  
Geneseo  
*An "Outrageously" Concise History of  
Calculus*

**Saturday Morning, McEwen Hall, Room 209**

08:40 – 08:45 *Welcome address*  
Dennis Hefner, President, SUNY  
Fredonia

08:45 – 09:35 Daniel J. Teague, NC State University  
*The Infamous Five Color Theorem*

09:45 – 10:35 Gino Biondini, SUNY Buffalo  
*Solitons: From Water Waves to  
Optical Fibers*

10:35 – 11:00 Business Meeting

11:10 – 12:00 **Randolph Lecture**  
Sam Vandervelde, St. Laurence  
University  
*King Solomon on Teaching Math*

**GROUP PHOTO**

**Lunch: 12-1:30 Williams Center**

**Saturday Afternoon Fenton Hall, 153**

**1:30 – 1:55** James Marengo, RIT  
*An Upper Bound for the Expected Difference Between  
Order Statistics*

**2:00 – 2:25** Chulmin Kim, RIT  
*An Alternative Expression of the Covariance and its  
Inverse of the Antedependence Models*

**2:30 – 2:55** Scott Preston, SUNY Oswego  
*An Optimization Problem from Statistics and a  
Complementary Assessment Scheme*

**3:00–3:25** Charles Jacobson, Elmira College  
*A High School Prom Theorem for Variance*

**3:30-3:55** Joanne Redden, Elmira College  
*On the Continuing Story of the Covering Number of  
Small Alternating Groups*

**Saturday Afternoon, Fenton Hall 159**

**1:30 - 1:55** Joshua Palmatier, SUNY Oneonta  
*M-Zeroids: Structure and its Effect on the Additive  
Operation*

**2:00- 2:25** Tony Mastroberardino, Pen State Erie, The  
Behrend College  
*The Fermi-Pasta-Ulam Problem*

**2:30 - 3:00** Olympia Nicodemi, SUNY Geneseo  
*Wavelets and Elementary Linear Algebra*

**3:00 - 3:25** Joseph Kolacinski, Elmira College  
*How Close was it Really? Alternative Voting Methods  
and the 2008 Minnesota Senate Race*

**3:30-3:55** Robert Rogers, SUNY Fredonia  
*Teaching Introductory Analysis Using its Historical  
Context*

**Saturday Afternoon, Fenton Hall, 168**

**1:30 – 1:55** Xiwei Chen, RIT  
*Eigenfaces vs. Fisherfaces - Face Recognition*

**2:00 – 2:25** Keith Jones, SUNY Binghamton  
*A Geometric Invariant for Finitely Generated Groups*

**2:30 – 2:55** Viji Z. Thomas, SUNY Binghamton  
*Cantor's Diagonalization Revisited: Constructing  
Transcendental Numbers.*

**3:00 – 3:25** Yang Zhao, RIT  
*Generalized Linear Models and Actuarial Science*

**3:30-3:55** Michael Penn, SUNY Albany  
*Rank One Lattice Vertex Operator Algebras*

**Saturday Afternoon Fenton Hall, 170**

**1:30- 1:55** Sam Northshield, SUNY-Plattsburgh  
*A Short Proof of Lagrange's Theorem on Continued  
Fractions*

**2:00-2:25** Gabriel Prajitura  
*The Sum of the Reciprocals of Factorials*

**2:30 - 2:55** Gary Towsley, SUNY Geneseo  
*Dante and the Three Sphere*

**3:00-3:55** Paul Seeburger, MCC  
*Dynamic Visualization Tools for Multivariable  
Calculus ( Computer Lab, Fenton 2164 )\**

**Saturday Afternoon, Fenton Hall 108**

*Student Program:* Organizer: Derek Habermas, SUNY  
Potsdam.

*Poster session* 105

*Math Family Feud* 108

*Undergraduate students talks* 108, 154

**Registration, Meals, and Refreshments**

Registration will take place in the **Lighthouse  
Ballroom, Clarion Hotel** on Friday evening during the  
social hour from 6:00 to 7:00, and on Saturday morning  
from 8:00 until 11:00 in **McEwen Lobby**. Snacks will  
be served in **Fenton Hall** and lunch will be served in  
**Williams Center**.

**Accommodations**

The "headquarters hotel" is the **Clarion** in Dunkirk,  
NY. It's on Lake Erie, about 2.5 miles from campus.  
This is where the Friday evening banquet and program  
will take place. A block of rooms has been reserved;  
mention "math meeting" when making your  
reservation.

**Meeting Website**

**[http://www.fredonia.edu/department/math/seaway2009/seaway\\_directions.asp](http://www.fredonia.edu/department/math/seaway2009/seaway_directions.asp)**

**NEXT MEETING:**

**2010 SPRING MEETING**