

SEAWAY SECTION
MATHEMATICAL ASSOCIATION
OF AMERICA

2008 SPRING MEETING
April 11-12, 2008
Syracuse University

PROGRAM

Friday Afternoon, Goldstein Student Center, Skytop

NeXT/PFF Program: Room 201 A and B

12:00 Welcome

12:15 –1:15 Lunch

1:15 –3:15 General Session with Francis Su

3:15 –3:30 Short Break

3:30 –4:30 Two parallel sessions

4:30 –5:00 General discussion

Committee meetings: Room 107

Executive Committee Meeting: 3:00-4:30

Extended Executive Committee Meeting: 4:30-6:00

Friday Evening, Drumlins Country Club

6:00 – 7:00 Social hour, cash bar

7:00 – 8:30 Buffet dinner and Presentation of Distinguished Teaching Award.

8:30 – 9:30 *The Snowball Earth* Scott Samson, Earth Sci. Dept, Syracuse Univ.

Saturday Morning, Physics Building

8:00 – 11:00 Coffee and continental breakfast

8:40 – 8:45 *Welcome* Eric Schiff, Associate Dean for the Sciences and Mathematics

08:45 – 09:35 *Voting Systems that Combine Approval and Preference*, Steven Brams, NYU

09:45 – 10:35 [Gehman Lecture] *On Positive Centers, Integral Geometry, and the Isoperimetric Deficit*, Michael Gage, University of Rochester

10:35 – 11:00 Business Meeting

11:10 – 12:00 *Splitting the Rent: Fairness Problems and Fixed Points*, Francis Su, Harvey Mudd College

Lunch: 12:15 – 1:15

Math Library (3rd floor of Carnegie) will be open from 12:30 to 1:30

Saturday Afternoon, Carnegie Library

Panel Discussion, CL 313

1:30 –2:30, *Fostering Undergraduate Research*, Panelists: Francis Su, Harvey Mudd College; Joel Foisy, SUNY Potsdam; David Brown, Ithaca College.

Minicourse: CL100

1:30 – 3:25, *Educating about the State of the Planet (or Sustainability) while Enhancing Calculus* (on-site registration if space is available).

Contributed Talk, CL316

3:30 –3:55, (21) *Degrees in Graphs – Old and New Results*, Amitabha Tripathi, SUNY Oswego.

Contributed Talks, CL300

1:30 – 1:55, (1) *Approaching Epsilon and Delta through Applications*, Tim Biehler, Finger Lakes Community College.

2:00 – 2:25, (2) *Angles and side ratios from area and perimeter*, George Baloglou, SUNY Oswego.

2:30 – 2:55, (4) *Is the Optimal Rectangle a Square?*, Robert Kantrowitz, Hamilton College.

3:00 – 3:25, (6) *An Elementary Derivation of the Method of Least Squares*, R. Bruce Mattingly, SUNY Cortland.

3:30 – 3:55, (9) *The Rook: How a Chess Piece Saved the Day*, Hossein Shahmohamad, RIT.

Contributed Talks, CL306

1:30 – 1:55, (3) *Some Applications of Fisher Information*, Marvin Gruber, RIT.

2:00 – 2:25, (7) *Combinatorial games with randomness*, Ryan Gantner, Saint John Fisher College.

2:30 – 2:55, (17) *A few other best fitting lines*, Magdalena Mosbo, SUNY Oswego.

3:00 – 3:25, (18) *Building a classifier with clinical parameters and gene expression*, Yolanda Tra, RIT.

3:30 – 3:55, *Designing and Assessing Hands-On Statistics Activities*, Aaron Wienberg, Ithaca College.

Contributed Talks, CL311

1:30 – 1:55, (5) *Pre-service Elementary Teachers' Understanding and Miconceptions Regarding Place Value*, Deborah Farro-Lynd, SUNY Oneonta.

2:00 – 2:25, (10) *How Undergraduates use their textbooks*, Emilie Wiesner, Ithaca College.

2:30 – 2:55, (13) *Developing a Survey to Assess Pre-Service Teachers Views and Uses of Problem-Solving in Mathematics*, Jane R. Cushman, Buffalo State College.

3:00 – 3:25, (14) *Lights, Camera, Math! Video Quizzes for Entry-Level Mathematics*, Justin Wampler, SUNY Plattsburgh.

Contributed Talks, CL208

1:30 – 1:55, (11) *Counter-Intuitive Results from the Field of Hyper-Reals*, Jonathan Hoyle, Eastman Kodak.

2:00 – 2:25, (16) *The Locus of Focus*, James Morengo, RIT.

2:30 – 2:55, (15) *On the equivalence of the Axiom of Choice with a globalization theorem in topology*, Nigar Tuncer, Binghamton University.

3:00 – 3:25, (12) *Finding periods of Chain Addition Cycles*, Anurag Agarwal, RIT.

3:30 – 3:55, (19) *Multicultural Approaches to Mathematics*, Osman Yürekli, Ithaca College.

Teachers' Masters Capstone Projects, CL219

1:30-2:30, (22) Session 1, *Secondary and College Mathematics Achievement*, Organizer: Keary Howard, SUNY Fredonia.

2:30-3:30, (22) Session 2, *Context and Cognition in School Mathematics*, Organizer: Keary Howard, SUNY Fredonia.

Registration and Refreshments

Registration will take place at the Drumlin country club on Friday evening during the social hour from 6:00 to 7:00, and in the Physics building on Saturday morning from 8:00 until 11:00. Refreshments and the book display will also be in the Physics building on Saturday morning.

Mathematics Library

The Mathematics library will be open during lunchtime on Saturday.

Directions to Syracuse University

See the following sites for useful maps for Friday and Saturday activities respectively:

http://www.math.binghamton.edu/maa_seaway/Meetings/Syracuse-08a/MAFriday.pdf

http://www.math.binghamton.edu/maa_seaway/Meetings/Syracuse-08a/MapSaturday.pdf

For more detailed maps, refer the Syracuse University website, <http://www.syracuse.edu/>

Accommodations

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:

http://www.math.binghamton.edu/maa_seaway/Meetings/index.html#upcoming_meeting

Please post and distribute.

NEXT MEETING:

2008 FALL MEETING

October 17-18, 2008

Siena College, Loudonville

