

SEAWAY SECTION
MATHEMATICAL ASSOCIATION
OF AMERICA
2014 SPRING MEETING

April 25-26

BUFFALO STATE COLLEGE

PROGRAM

Friday luncheon

**12:00-5:00 PROJECT NEXT:
Technology Building 258**

Mathemagic

Discussions on publishing

Discussion on Faculty Development

Friday afternoon: Embassy Suites

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

Friday Evening: Embassy Suites

5:30 – 6:30 Social Hour (cash bar)

6:30 – 8:00 Banquet, Clarion

8:00 – 9:00 Kelly Delp, Ithaca College

*Playing with Surfaces: Spheres, Monkey Pants
and Zippergons*

9:30-10:30 **Game Show** hosted by Blair Madore,
SUNY Potsdam

Jeopardy

**Saturday morning: Bulger
Communications Building North**

8:40 –8:45 Welcome address by **Interim
President Howard Cohen, Buffalo State College**

8:45 –9:35 Keary Howard, SUNY Fredonia

*I see Me in you: Regarding the self-evident truths
of teaching and learning mathematics*

9:45 – 10:35 Steve Dunbar, University of
Nebraska at Lincoln

*Olympiad problems for Fun, Learning and
Research with Dynamic software.*

10:35 – 11:00 Business Meeting

11:10 – 12:00 Gehman Lecture: Maria
Chudnovsky, Columbia University

Perfection and Beyond

**Lunch: 12-1:30: Bulger Communication
Building, First floor Foyer**

**Saturday afternoon: Bulger
Communication East**

1:30-1:55 **Yozo Mikata, Bechtel NY**
*Iterative Scheme for a Nonlinear Integro-
Differential Equation for Field Emission with
Conduction and Radiation*

2:00-2:25 **James Marengo, RIT**
*An Application of Sufficiency to a Problem
Involving a “Die”*

2:30-2:55 **Michael Barg, Niagara University**
*An Advertising Model for a First ODE Class and
Beyond*

3:00-3:25 **Ephraim Agyingi, David Ross and
Sophia Maggelakis, RIT**
*Rethinking Wound Healing: A mathematical
Model*

**Saturday afternoon: Bulger Communication
East 2**

1:30-1:55 **Christina Carter and Dave Wilson:
Buffalo State College**
Flipped Calculus classroom

2:00-2:25 **Joseph Petrillo, Alfred University**
*The Alfred University Calculus Initiative –
Flipping the Calculus Classroom*

2:30-2:55 **Julie Wilson, SUNY Fredonia**
*A Discovery Learning Approach to Axiomatic
Geometry*

3:00-3:25 **Ryan Gantner (Saint John Fisher
College), Yousuf George (Nazareth College),
Patrick Rault (SUNY Geneseo), and Jane
Cushman (Buffalo State College)**
IBL in the Seaway Section (and Beyond)

3:30-3:55 **Nicole Juersivich, Nazareth College**
*Trial by Fire: Undergraduate Research in
Mathematics Education*

**Saturday afternoon: Bulger
Communication West**

1:30-1:55 **Hossein Behforooz, Utica College**
*Celebrating Martin Gardner Centennial with
Magic Squares*

2:00-2:25 **Martha Kilpack, SUNY Oneonta**
*Lattice, You Have Seen One and Don't Even Know
It.*

2:30-2:55 **Elizabeth Wilcox, SUNY Oswego**
Al-Jabar: A Colorful Intro to Abstract Algebra

3:00-3:25 **David Lantz, Colgate University**
Star CZD graphs of commutative rings

3:30-3:55 **Hossein Shahmohamad, RIT**
Burnside, Redfield & Polya – The Art of Coloring and Enumeration

Saturday afternoon: Bulger Communication West 2

1:30-2:25 Teachers' Masters Capstone Projects in Secondary and College Mathematics

Session Organizer, Keary Howard, SUNY Fredonia

Session 1: Student Misconceptions Regarding Units, Rates, and Fractions

Understanding and Misconceptions of Rates of Change and Unit Conversions, Liz Schake, SUNY Fredonia

College Students' Accuracy in Measurement Estimation: The U.S. Customary Units vs. the Metric System, Ashley Melinski, SUNY Fredonia

Procedural and Conceptual Understanding of Fraction Concepts in College Students, Shannon Tydings, SUNY Fredonia

2:30-3:25 Session 2: Student Misconceptions Regarding Order of Operations, Spatial Reasoning, and Derivatives

Pardon My Expression: A Study of College Students' Misconceptions of the Order of Operations and its Applications, Kristen Joseph, SUNY Fredonia

Spatial Ability in Adolescence and How it Varies by Age, Gender, and College Major, Sara Maiorana, SUNY Fredonia

Derivatives as a Rate of Change: A Study of College Students' Understanding of the Concept of a Derivative, Suzanne Constantinou, SUNY Fredonia

Saturday Afternoon: Bulger Communication South

History of Mathematics in the Classroom

1:30-1:55 **Bhāskara II: A Remarkable Mathematician Keith Jones and Toke Knudsen, (SUNY Oswego)**

2:00-3:55 **History of Mathematics in the Classroom**

7 speakers with 10 minutes per session.
Information is found in attached document

Saturday afternoon: Caudell Hall 116

1:30-2:25 **Workshop on Leadership in the Mathematical Sciences**

Organizer: Dr. Mihail Barbosu, RIT

2:30-3:25 **How should we serve the underserved?**

Organizer: Olympia Nicodemi, SUNY Geneseo

Saturday afternoon: Bulger Communication South 2

3:30-4:30 **Graduate School: Who? What When? Why? You?**

Organizer: Elizabeth Wilcox, SUNY Oswego

Saturday Afternoon

Student Talks: Organizer: **David Brown, Ithaca College**

The schedule can be found on the green sheet in your folder.

Registration, Meals, and Refreshments

Registration will take place at the Embassy Suites on Friday evening during the social hour from 5:30 to 6:30, and on Saturday morning from 8:00 in the Bulger Communication Building. Lunch will be served at noon in the First floor of Bulger. Beverages and snacks will be served on Saturday morning at 8:00 and 2:30-4:30 in Bulger.

Accommodations

The "headquarters hotel" is the Embassy Suites in Buffalo, 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 "MAA Seaway Section" when making your reservation. The deadline to get that rate is March 25, 2014.

Meeting Website

<http://mathematics.buffalostate.edu/seaway>

NEXT MEETING:

October 10-11, 2014

ALFRED UNIVERSITY