

# **PROJECT NExT**

## **NEW EXPERIENCES IN TEACHING**

**2009-2010 FELLOWS**

**Workshop held in Portland, OR  
August 3 – 5, 2009**

A program of

**THE MATHEMATICAL ASSOCIATION OF AMERICA**

Major funding is provided by

**THE EXXONMOBIL FOUNDATION**

and additional support by

**THE DOLCIANI-HALLORAN FOUNDATION  
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THE AMERICAN INSTITUTE OF MATHEMATICS  
THE ASSOCIATION FOR SYMBOLIC LOGIC  
THE ASSOCIATION OF MATHEMATICS TEACHER EDUCATORS  
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THE MICHIGAN SECTION OF THE MAA  
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TEXAS INSTRUMENTS  
THE W. H. FREEMAN PUBLISHING COMPANY  
JOHN WILEY & SONS  
THE MATHEMATICAL ASSOCIATION OF AMERICA**

We gratefully acknowledge their support.



## TUESDAY, AUGUST 4

- 7:00 - 8:15 am** BREAKFAST – **Salon F**
- 8:30 - 9:45 am** *Selected topics in teaching undergraduate mathematics I*  
[Five simultaneous sessions – See information for assignments.]
- A. *Effectively Using Applied Writing Projects in Undergraduate Math Courses* – P. Gavin LaRose, University of Michigan, **Portland**
  - B. *Occasional Computer Enhancement of Class: Applets and Maple Worksheets* – Michael May, S.J., Saint Louis University, **Eugene**
  - C. *Promoting Diversity in Mathematics: Challenges, Opportunities & Ideas for Involvement* – Herbert Medina, Loyola Marymount University, **Medford**
  - D. *Teaching Real Analysis – An Active Approach* – Carol Schumacher, Kenyon College, **Salem**
  - E. *Classroom Voting in Linear Algebra* – Holly Zullo, Carroll College, MT, **Salon B**
- 9:55 - 10:25 am** BREAK – **Salon F**
- 10:25 - 11:40 am** Panel: *Deciding how to teach*  
Robert Beezer, University of Puget Sound  
Inga Johnson, Willamette University  
Barbara Reynolds, SDS, Cardinal Stritch University  
**Salon I**
- 11:45 am - 1:15 pm** LUNCH – **Salon F**
- 1:15 - 2:30 pm** Repeat of morning breakout sessions – See information for assignments.
- 2:40 - 3:40 pm** *The Inquiry Oriented Differential Equations Project: Addressing Challenges Facing Undergraduate Mathematics Education*  
Chris Rasmussen, San Diego State University  
**Salon I**
- 3:40 - 4:10 pm** BREAK – **Salon F**
- 4:10 - 5:25 pm** Panel: *The faculty member as teacher and scholar*  
Timothy Chartier, Davidson College  
Barbara D'Ambrosia, John Carroll University  
Maura Mast, University of Massachusetts Boston  
Kenneth Millett, University of California Santa Barbara  
**Salon I**
- 5:30 - 7:00 pm** DINNER – **Salon F**
- 8:00 - 10:00 pm** Social Event for 2008-09 and 2009-2010 Project NExT Fellows and presenters – **Salon F**
- 10:00 pm - ?** INFORMAL SOCIALIZING

## WEDNESDAY, AUGUST 5

- 7:00 - 8:30 am** BREAKFAST – **Salon F**
- 8:30 - 9:35 am** Informal discussions on topics proposed by the 2009-2010 Fellows
- 9:35 - 10:05 am** BREAK – **Salon F**
- 10:10 - 11:25 am** *Selected topics in teaching undergraduate mathematics II*  
[Five simultaneous sessions – See information for assignments.]
- A. *Using PascGalois Materials to Teach Abstract Algebra* – Michael Bardzell, Salisbury University, **Portland**
  - B. *Inquiry-Based Learning in Calculus* – Carol Browning, Drury University, **Eugene**
  - C. *Advising Undergraduate Mathematics Students* – Wiebke Diestelkamp, University of Dayton, **Medford**
  - D. *Teaching Discrete Mathematics* – Susanna Epp, DePaul University, **Salem**
  - E. *Symbol Sense and Symbol Sensibility* – William McCallum, University of Arizona, **Salon B**
- 11:30 am - 12:15 pm** Small Group Discussions with other Project NExT Fellows  
[This session is organized geographically. Please attend the group that includes the MAA Section – states/provinces indicated in parentheses – where your institution is located. See page 5 of this program for room assignments.]
- 12:15 - 1:30 pm** LUNCH – **Salon F**
- 1:35 - 2:50 pm** Repeat of morning breakout sessions – See information for assignments.
- 2:55 - 3:25 pm** Planning session for January Meetings in San Francisco, CA  
**Salon I**
- 3:25 - 3:55 pm** BREAK – **Salon F**
- 3:55 - 5:25 pm** Closing Session  
Recognition of 2008-09 Fellows  
Presentation: *Finding Your Niche in the Profession*  
Joseph Gallian, University of Minnesota Duluth  
**Salon I**
- 6:00 – 7:30 pm** Mathfest Opening Reception (cash bar)  
**Exhibit Hall, Lower Level 2**
- 7:30 - 9:30 pm** Mathfest Opening Banquet  
**Oregon Ballroom, Ballroom Level**
- 9:30 pm - ?** INFORMAL SOCIALIZING

## THURSDAY AND FRIDAY, AUGUST 6 AND 7

**Project NExT Courses During the Mathfest:** Four-hour courses meeting in the Portland Marriott Downtown Waterfront on Thursday and Friday, August 6 and 7.

[See information for assignments. Please attend only the course to which you are assigned – the rooms are filled to capacity.]

- A. *Teaching a Math Content Course for Future K-8 Teachers* – Judith Covington, Louisiana State University Shreveport 1:00 - 3:00 p.m., **Sunstone**
- B. *Hand-held Technology in the Mathematics Classroom* – Joseph Fiedler, California State University Bakersfield, 1:00 - 3:00 p.m., **Eugene**
- C. *Undergraduate Research – How to Make It Work* – Aparna Higgins, University of Dayton, 1:00 - 3:00 p.m., **Douglas Fir/Meadowlark (combined)**
- D. *Teaching Statistical Concepts with Activities, Data, and Technology* – Allan Rossman and Beth Chance, California Polytechnic State University, San Luis Obispo, 3:15 - 5:15 p.m., **Eugene**
- E1. *Applying for Grants from the National Science Foundation/Getting Your Research Off to a Good Start*, 3:15 - 5:15 p.m., **Sunstone**  
Thursday, Dean Evasius (on grants), and Friday, Joseph Gallian (on research)
- E2. *Applying for Grants from the National Science Foundation/Getting Your Research Off to a Good Start*, 3:15 - 5:15 p.m., **Douglas Fir/Meadowlark (combined)**  
Thursday, Joseph Gallian (on research), and Friday, Dean Evasius (on grants)

**WEDNESDAY, AUGUST 5**

**11:30 a.m. – 12:15 p.m.**

**GEOGRAPHICAL BREAKOUT ROOM ASSIGNMENTS**

(organized by MAA Sections with corresponding states listed in parentheses)

**Group A meets in Columbia**

Northern California/Nevada/Hawaii and Southern California/Nevada (CA, HI, NV)  
Pacific Northwest (AB, AK, BC, ID zips 83300-83399 and 83600-83899,  
MT except zips 59715-59717, OR, WA)

**Group B meets in Salem**

Intermountain (ID zips 83200-83299 and 83400-83599, UT)  
Rocky Mountain (CO, SD zips 57700-57799, MT zips 59715-57717, WY)  
Southwestern (AZ, NM)

**Group C meets in Medford**

Iowa (IA)  
Nebraska/Southeast South Dakota (NE, SD zips 57014-57099)  
North Central (MB, MN, ND, SD zips 57000-57013 and 57100-57699)

**Group D meets in Douglas Fir**

Arkansas/Oklahoma (AR, OK)  
Kansas (KS)  
Louisiana/Mississippi (LA, MS)  
Missouri (MO)  
Texas (TX)

**Group E meets in Salon B**

Illinois (IL)  
Wisconsin (WI)

**Group F meets in Salon D**

Indiana (IN)  
Kentucky (KY)  
Michigan (MI)  
Ohio (OH, WV zips 25500-25799)

**Group G meets in Eugene**

Southeastern (AL, GA, NC, SC, TN)  
Florida (FL, PR, VI)

**Group H meets in Salon G**

Allegheny Mountain (PA zips 15000-16899, WV zips 24700-25499 and 25800-26899)  
EPaDel (DE, PA zips 16900-19699)  
Seaway (NY zips 12000-12399 and 12800-14999, ON, QC)

**Group I meets in Portland**

Maryland/DC/Virginia (DC, MD, VA)

**Group J meets in Salon A**

Metro New York (NY zips 10000-11999 and 12400-12799)  
New Jersey (NJ)  
Northeastern (CT, MA, ME, NL, NH, NS, RI, VT)