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

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Project NExT: New Jobs, New Responsibilities, New Ideas
Program for the Workshop in Portland, Oregon
August 3 - 5, 2009

The Project NExT registration area is in the Ballroom Lobby on Lower Level 1 in the Portland Marriott Downtown Waterfront hotel.

MONDAY, AUGUST 3

11 am - 1:15 pm  Arrival and registration

1:30 - 1:45 pm  Welcome and opening remarks
    T. Christine Stevens, Saint Louis University and Director of Project NExT
    Salon I

2:00 - 2:45 pm  Small group discussions – See information for assignments.
    Group A: Eugene
    Group B: Medford
    Group C: Portland
    Group D: Salem
    Group E: Salon A
    Group F: Salon B
    Group G: Salon G
    Group H: Salon H

2:55 - 3:45 pm  Nurturing the Mathematical Yawp
    Francis Su, Harvey Mudd College
    Salon I

3:50 - 4:20 pm  BREAK – Salon F

4:30 - 5:15 pm  Small group discussions [Same room assignments by group above, but your
group assignment may have changed – see information.]
    Group A: Eugene
    Group B: Medford
    Group C: Portland
    Group D: Salem
    Group E: Salon A
    Group F: Salon B
    Group G: Salon G
    Group H: Salon H

5:30 - 7:00 pm  DINNER – Salon F

7:30 - 8:45 pm  Joining the Mathematical Community
    Wiebke Diestelkamp, University of Dayton
    Klay Kruczek, Western Oregon University
    Tamara Lakins, Allegheny College
    Kyle Riley, South Dakota School of Mines and Technology
    Salon I

9:00 p.m. - ?  INFORMAL SOCIALIZING
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)