PROJECT NExT
NEW EXPERIENCES IN TEACHING
2008-2009 FELLOWS, MADISON, WI

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 Madison, Wisconsin
July 28 - 30, 2008

The Project NExT registration area is in the Upper Lounge in Lowell Center on the campus of the University of Wisconsin, Madison.

MONDAY, JULY 28

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
Lowell B1A&B

2:00 - 2:45 pm  Small group discussions – See information for assignments
Group A: Lowell 118  Group E: Pyle 205
Group B: Lowell Lower Lounge  Group F: Pyle 217
Group C: Pyle 111  Group G: Pyle 317
Group D: Pyle 112  Group H: Pyle 320

2:55 - 3:45 pm  Hard Times for the NExT Generation?
Georgia Benkart, University of Wisconsin-Madison
Lowell B1A&B

3:50 - 4:20 pm  BREAK – Lowell Upper Lounge

4:30 - 5:15 pm  Small group discussions [Same room assignments by group above, but your group assignment may have changed.]
Group A: Lowell 118  Group E: Pyle 205
Group B: Lowell Lower Lounge  Group F: Pyle 217
Group C: Pyle 111  Group G: Pyle 317
Group D: Pyle 112  Group H: Pyle 320

5:30 - 7:00 pm  DINNER – Pyle Main Dining Room

7:30 - 8:45 pm  Panel: Joining the Mathematical Community
Dale Buske, St. Cloud State University
Judith Covington, Louisiana State University in Shreveport
Michael Dorff, Brigham Young University
Katherine Socha, St. Mary’s College of Maryland
Lowell B1A&B

9:00 p.m. - ?  INFORMAL SOCIALIZING
TUESDAY, JULY 29

7:00 - 8:15 am  BREAKFAST – Gordon Commons

8:30 - 9:45 am  Selected topics in teaching undergraduate mathematics I
[Five simultaneous sessions – See information for assignments]
A. Teaching Calculus Using Creative Hands-on Activities – Julia Barnes, Western Carolina University, Lowell Lower Lounge
B. Bringing Life (Science) to Undergraduate Mathematics Courses – Timothy Comar, Benedictine University, Lowell 118
C. ConcepTests – Classroom Voting: A Means for Interactive Classrooms – David Lomen, University of Arizona, Pyle 112
D. Teaching Discrete Mathematics – Edward Scheinerman, Johns Hopkins University, Pyle 235
E. Experiencing Spherical Geometry: A Non-Axiomatic Approach to Teaching College Geometry – Christopher Swanson, Ashland University, Pyle 335

9:55 - 10:25 am  BREAK – Lowell Upper Lounge

10:25 - 11:40 am  Panel: Deciding how to teach
Michael Axtell, University of St. Thomas, MN
Suzanne Dorée, Augsburg College
Concha Gomez, University of Wisconsin-Madison
Lowell B1A&B

11:45 am - 1:15 pm  LUNCH – Lowell Dining Room

1:15 - 2:30 pm  Repeat of morning breakout sessions – See information for assignments

2:40 - 3:40 pm  Using Technology to Teach Mathematics
Robin Cruz, The College of Idaho
Kris Green, St. John Fisher College
Michael May, S.J., Saint Louis University
Lowell B1A&B

3:40 - 4:10 pm  BREAK – Lowell Upper Lounge

4:10 - 5:25 pm  Panel: The faculty member as teacher and scholar
Jennifer Beineke, Western New England College
Trachette Jackson, University of Michigan
Darren Narayan, Rochester Institute of Technology
Edward Scheinerman, Johns Hopkins University
Lowell B1A&B

5:30 - 7:00 pm  DINNER – Pyle Main Dining Room

8:00 - 10:00 pm  Social Event for 2007-08 and 2008-09 Project NExT Fellows and presenters
Ogg Hall

10:00 pm - ?  INFORMAL SOCIALIZING
WEDNESDAY, JULY 30

7:00 - 8:30 am  BREAKFAST – Gordon Commons

8:30 - 9:35 am  Informal discussions on topics proposed by the 2008-09 Fellows

9:35 - 10:05 am  BREAK – Lowell Upper Lounge

10:10 - 11:25 am  Selected topics in teaching undergraduate mathematics II
[Five simultaneous sessions – See information for assignments]
A. Using On-line Homework – Robin Cruz, The College of Idaho, Pyle 232
B. Using On-line Discussion Boards to Teach Mathematics – Kris Green, St. John Fisher College, Pyle 112
C. Effectively Using Applied Writing Projects in Undergraduate Mathematics Classes (Especially Calculus) – P. Gavin LaRose, University of Michigan, Lowell 118
D. Occasional Computer Enhancement of Class: Applets and Maple Worksheets – Michael May, S.J., Saint Louis University, Pyle 205
E. Teaching Real Analysis – An Active Approach – Carol Schumacher, Kenyon College, Lowell Lower Lounge

11:30 am - 12:15 pm  Small Group Discussions with other Project NExT Fellows
[This session is organized by research area. Please attend the group that best matches your current research interests.]
   Group A: Analysis -- Lowell 118
   Group B: Differential equations, dynamical systems -- Lowell Lower Lounge
   Group C: Mathematics education, history of mathematics -- Pyle 111
   Group D: Probability, statistics -- Pyle 112
   Group E: Mathematical biology -- Pyle 205
   Group F: Linear algebra, number theory -- Pyle 227
   Group G: Algebra, group theory, algebraic geometry -- Pyle 335
   Group H: Combinatorics, graph theory, discrete mathematics -- Pyle 235
   Group I: Geometry, topology, logic -- Pyle 327
   Group J: Applied mathematics, operations research -- Pyle 232

12:15 - 1:30 pm  LUNCH – Pyle Main Dining Room

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 Washington, DC
Lowell B1A&B

3:25 - 3:55 pm  BREAK – Lowell Upper Lounge

(Wednesday cont’d on the next page)
WEDNESDAY, JULY 30 (cont’d)

3:55 - 5:25 pm  Closing Session
   Recognition of 2007-08 Fellows
   Presentation: Finding Your Niche in the Profession
   Joseph Gallian, University of Minnesota Duluth
   Lowell B1A&B

6:30 - 7:30 pm  Mathfest Opening Reception (cash bar)
   Madison Ballroom, Monona Terrace

7:30 - 9:30 pm  Mathfest Opening Banquet
   Mistress of Ceremonies: Jennifer Quinn, Univ. of Washington at Tacoma
   Presentation: Non-Monotone Math Song Sing-Along
   Larry Lesser, University of Texas El Paso
   Capitol AB Ballroom, Monona Terrace

9:30 pm - ?  INFORMALSOCIALIZING

THURSDAY AND FRIDAY, JULY 31 AND AUGUST 1

Project NExT Courses During the Mathfest: Four-hour courses meeting in the Hilton Madison Monona Terrace on Thursday and Friday, July 31 and August 1. [See information for assignments.]
A. Teaching Statistics – Carolyn Cuff, Westminster College, PA, 1:00 - 3:00 p.m.,
   La Follette Room
B. Cooperative Learning for Undergraduate Mathematics – William Fenton,
   Bellarmine University, 1:00 - 3:00 p.m., Vilas Room
C. The Mathematical Education of Teachers – W. James Lewis, University of Nebraska - Lincoln,
   1:00 - 3:00 p.m., Doty Room
D. Adding the Words: Using Writing to Teach Mathematics – John Meier, Lafayette College,
   1:00 - 3:00 p.m., Tenney Room
E. Undergraduate Research – How to Make It Work – Aparna Higgins, University of Dayton,
   3:15 - 5:15 p.m., Doty Room
F. Applying for Research and Education Grants/Starting and Maintaining Your Mathematical Research Program 3:15 - 5:15 p.m.,
   Lloyd Douglas, University of Nevada, Reno, La Follette Room
   and Ezra (Bud) Brown, Virginia Polytechnic Institute & State University, Vilas Room

07/05/08