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 Group A: Lowell 118 Group B: Lowell Lower Lounge Group C: Pyle 111 Group D: Pyle 112	Group E: Pyle 205 Group F: Pyle 217 Group G: Pyle 317 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 assignment may have changed.] Group A: Lowell 118 Group B: Lowell Lower Lounge Group C: Pyle 111 Group D: Pyle 112	Group E: Pyle 205 Group F: Pyle 217 Group G: Pyle 317 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 J: 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 - ? INFORMAL SOCIALIZING

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**