

**Project NExT: New Jobs, New Responsibilities, New Ideas
Program for the Workshop in Madison, Wisconsin
July 28 - 30, 2008**

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
- 2:00 - 2:45 pm** Small group discussions
- 2:55 - 3:45 pm** *Hard Times for the NExT Generation?*
 Georgia Benkart, University of Wisconsin-Madison
- 3:50 - 4:20 pm** BREAK
- 4:30 - 5:15 pm** Small group discussions
- 5:30 - 7:00 pm** DINNER
- 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
- 9:00 p.m. - ?** INFORMAL SOCIALIZING

TUESDAY, JULY 29

- 7:00 - 8:15 am** BREAKFAST
- 8:30 - 9:45 am** *Selected topics in teaching undergraduate mathematics I*
 [Five simultaneous sessions]
- A. *Teaching Calculus Using Creative Hands-on Activities* – Julia Barnes,
 Western Carolina University
- B. *Bringing Life (Science) to Undergraduate Mathematics Courses* –
 Timothy Comar, Benedictine University
- C. *ConcepTests – Classroom Voting: A Means for Interactive Classrooms* –
 David Lomen, University of Arizona
- D. *Teaching Discrete Mathematics* – Edward Scheinerman, Johns Hopkins
 University

TUESDAY, JULY 29 (continued)

- E. *Experiencing Spherical Geometry: A Non-Axiomatic Approach to Teaching College Geometry* – Christopher Swanson, Ashland University

9:55 - 10:25 am BREAK

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

11:45 am - 1:15 pm LUNCH

1:15 - 2:30 pm Repeat of morning breakout sessions

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

3:40 - 4:10 pm BREAK

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

5:30 - 7:00 pm DINNER

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

10:00 pm - ? INFORMAL SOCIALIZING

WEDNESDAY, JULY 30

7:00 - 8:30 am BREAKFAST

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

9:35 - 10:05 am BREAK

WEDNESDAY, JULY 30 (continued)

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

- 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
 - Group B: Differential equations, dynamical systems
 - Group C: Mathematics education, history of mathematics
 - Group D: Probability, statistics
 - Group E: Mathematical biology
 - Group F: Linear algebra, number theory
 - Group G: Algebra, group theory, algebraic geometry
 - Group H: Combinatorics, graph theory, discrete mathematics
 - Group I: Geometry, topology, logic
 - Group J: Applied mathematics, operations research

12:15 - 1:30 pm LUNCH

- 1:35 - 2:50 pm** Repeat of morning breakout sessions
- 2:55 - 3:25 pm** Planning session for January Meetings in Washington, DC
- 3:25 - 3:55 pm** BREAK
- 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
- 6:30 - 7:30 pm** Mathfest Opening Reception (cash bar)

WEDNESDAY, JULY 30 (continued)

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

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.

A. *Teaching Statistics* – Carolyn Cuff, Westminster College, PA, 1:00 - 3:00 p.m.,

B. *Cooperative Learning for Undergraduate Mathematics* – William Fenton, Bellarmine University, 1:00 - 3:00 p.m.

C. *The Mathematical Education of Teachers* – W. James Lewis, University of Nebraska - Lincoln, 1:00 - 3:00 p.m.

D. *Adding the Words: Using Writing to Teach Mathematics* – John Meier, Lafayette College, 1:00 - 3:00 p.m.

E. *Undergraduate Research – How to Make It Work* – Aparna Higgins, University of Dayton, 3:15 - 5:15 p.m.

F. *Applying for Research and Education Grants/Starting and Maintaining Your Mathematical Research Program* – Lloyd Douglas, University of Nevada, Reno and Ezra (Bud) Brown, Virginia Polytechnic Institute & State University, 3:15 - 5:15 p.m.

10/9/08