

**Project NExT: New Jobs, New Responsibilities, New Ideas
Program for the Workshop in Lexington, Kentucky
August 1 - 3, 2011**

The Project NExT registration area will be in the Patterson Ballroom Suite
in the Hyatt Regency Lexington Hotel.

MONDAY, AUGUST 1

- 11 am - 1:15 pm** Arrival and registration
1:30 - 1:45 pm Welcome and opening remarks
Aparna Higgins, University of Dayton and Director of Project NExT
2:00 - 2:45 pm Small group discussions
2:55 - 3:45 pm *Prospecting for Patterns*
T. Christine Stevens, Saint Louis University
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 *Joining the Mathematical Community*
Stephanie Fitchett, Sandia Labs
John Harris, Furman University
Maeve McCarthy, Murray State University
Darren Narayan, Rochester Institute of Technology
9:00 p.m. - ? INFORMAL SOCIALIZING

TUESDAY, AUGUST 2

- 7:00 - 8:15 am** BREAKFAST
8:30 - 9:45 am *Selected topics in teaching undergraduate mathematics I* [Five simultaneous sessions]
A. *Me, a Mathematician, Teaching a Stat Course?* – Doug Andrews, Wittenberg University
B. *Tactile Visualization Techniques for Teaching Calculus* – Julie Barnes, Western Carolina University
C. *Teaching the Sophomore Differential Equations Course in the Twenty-First Century* – Bob Devaney, Boston University
D. *Advising Undergraduate Mathematics Majors* – Wiebke Diestelkamp, University of Dayton
E. *Effectively Using Applied Writing Projects in Undergraduate Mathematics Courses* – Gavin LaRose, University of Michigan
9:55 - 10:25 am BREAK
10:25 - 11:40 a.m. Panel: *Deciding how to teach*
Beth Schaubroeck, United States Air Force Academy
Carol Schumacher, Kenyon College
Michael Scott, California State University Monterey Bay

Tuesday cont'd next page

Tuesday 2 August, cont'd

- 11:45 am - 1:10 pm** LUNCH
1:15 - 2:30 pm Repeat of morning breakout sessions
2:40 - 3:40 pm *Recruiting More Students to Take Mathematics Courses*
Michael Dorff, Brigham Young University
3:40 - 4:10 pm BREAK
4:10 - 5:25 pm Panel: *The faculty member as teacher and scholar*
Dora Ahmadi, Morehead State University
Alissa Crans, Loyola Marymount University
Saad El Zanati, Illinois State University
Alex Hahn, University of Notre Dame
5:30 - 7:00 pm DINNER
8:00 - 10:00 pm Social Event for 2010-2011 and 2011-2012 Project NExT Fellows and presenters
10:00 pm - ? INFORMAL SOCIALIZING

WEDNESDAY, AUGUST 3

- 7:00 - 8:30 am** BREAKFAST
8:30 - 9:35 am Informal discussions on topics proposed by the 2011-2012 Fellows
9:35 - 10:05 am BREAK
10:10 - 11:25 am *Selected topics in teaching undergraduate mathematics II* [Five simultaneous sessions]
A. *Teaching with Online Interactive Resources* – James Hamblin, Shippensburg University
B. *Writing and the Teaching of Mathematics* – John Meier, Lafayette College
C. *Getting Your Students to Read Their Textbook* – Tommy Ratliff, Wheaton College
D. *Teaching Real Analysis—an Active Approach* – Carol Schumacher, Kenyon College
E. *Using Good Questions in Calculus* – Kim Roth, Juniata College
11:30 am - 12:15 pm Small Group Discussions with other Project NExT Fellows (organized geographically)
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 Boston, MA
3:25 - 3:55 pm BREAK
3:55 - 5:25 pm Closing Session
Recognition of 2010-11 Fellows
Presentation: *Finding Your Niche in the Profession*
Joseph Gallian, University of Minnesota Duluth

(program continues on next page)

Wednesday, cont'd

6:00 – 7:30 pm	Mathfest Opening Reception
7:30 - 9:30 pm	Mathfest Opening Banquet
9:30 pm - ?	INFORMAL SOCIALIZING

THURSDAY AND FRIDAY, AUGUST 4 AND 5

Project NExT Courses During the Mathfest: Four-hour courses meeting in the Hyatt Regency Lexington Hotel on Thursday and Friday, August 4 and 5.

- A. *When Life is Linear: Applications of Linear Algebra* – Tim Chartier, Davidson College, 1-3 p.m.
- B. *Teaching Math Content for Future K-8 Teachers* – Judith Covington, Louisiana State University, Shreveport, 1-3 p.m.
- C. *Undergraduate Research—How to Make It Work* – Aparna Higgins, University of Dayton, 1-3 p.m.
- D. *Cooperative Learning for Undergraduate Mathematics* – Bill Fenton, Bellarmine University, 3:15-5:15 p.m.
- E. *Mathematical Biology in the Mathematics Curriculum* – Raina Robeva, Sweet Briar College, 3:15-5:15 p.m.
- F. *Applying for Grants from the National Science Foundation* – Dean Evasius, National Science Foundation; *Getting Your Research Off to a Good Start*, Joe Gallian – University of Minnesota, Duluth 3:15-5:15 p.m.

Project NExT (New Experiences in Teaching) is a professional development program of the Mathematical Association of America for new or recent Ph.D.s in the mathematical sciences who are interested in improving the teaching and learning of undergraduate mathematics. It addresses the full range of faculty responsibilities in teaching, research, and service.