

**Project NExT: New Jobs, New Responsibilities, New Ideas
Program for the Workshop in Madison, Wisconsin
July 30 - August 1, 2001**

The Project NExT registration area is in the lobby on the basement level of Van Vleck Hall on the University of Wisconsin campus.

MONDAY, JULY 30

- 11 am - 1:15 pm Arrival and registration
- 1:30 - 1:45 pm Welcome and opening remarks
 T. Christine Stevens, Project NExT director
- 2:00 - 2:45 pm Small group discussions
- 2:55 - 3:45 pm *Keynote address*
 Hyman Bass, University of Michigan, Ann Arbor
- 3:50 - 4:20 pm BREAK
- 4:30 - 5:15 pm Small group discussions
- 5:30 - 7:00 pm DINNER
- 7:30 - 9:00 pm *Conversation with the Leadership*
 Ann E. Watkins, California State University, Northridge, and President, Mathematical Association of America
 Martha Siegel, Towson University, and Secretary, Mathematical Association of America
 Hyman Bass, University of Michigan, Ann Arbor, and President, American Mathematical Society

TUESDAY, JULY 31

- 7:00 - 8:15 am BREAKFAST
- 8:30 - 9:45 a.m. *Selected topics in teaching undergraduate mathematics I*
 Five simultaneous sessions:
 Group assignments, Projects, and Activities for Courses Below Calculus -- Janet Andersen, Hope College
 How to Find and Keep More Math Majors-- Jean Bee Chan, Sonoma State University
 Choosing the Best of Calculus Reform -- Wayne Roberts, Macalester College
 Nuts & Bolts of Using the Web -- Tom Roby, California State University, Hayward
 Teaching Students to Write Proofs, -- Carol Schumacher, Kenyon College
- 9:55 - 10:25 am BREAK
- 10:25 - 11:40 am Panel: *Choosing a way to teach*
 Diane Herrmann, University of Chicago
 W. Ted Mahavier, Nicholls State University
 Kathleen Snook, United States Military Academy
- 11:45 a.m. - 1:15 pm LUNCH
- 1:15 - 2:30 pm Repeat of morning breakout sessions
- 2:40 - 3:40 pm *Changing the Teaching and Learning of Mathematics*
 Thomas Romberg, University of Wisconsin, Madison
- 3:40 - 4:10 pm BREAK

4:10 - 5:25 pm Panel: *The faculty member as teacher and scholar*
Georgia Benkart, University of Wisconsin, Madison
Douglas Harris, Marquette University
Michele Intermont, Kalamazoo College
Daniel Schaal, South Dakota State University

5:30 - 7:00 pm DINNER

8:00 - 10:00 pm Social Event for all Project NExT Fellows and invited guests

WEDNESDAY, AUGUST 1

7:00 - 8:00 am BREAKFAST

8:15 - 9:30 am *Selected topics in teaching undergraduate mathematics II*
Five simultaneous sessions
Inclusivity in the Mathematics Classroom -- Deanna Haunsperger, Carleton College
Making Calculus Meaningful -- Patti Frazer Lock, Saint Lawrence University
Writing and the Mathematics Classroom -- John Meier, Lafayette College
Using GAP in an Undergraduate Abstract Algebra Class -- Julianne Rainbolt, Saint Louis Univ.
Hands-on Teaching of Non-Euclidean Geometry -- John Sullivan, University of Illinois, Urbana-Champaign

9:35 - 10:05 am BREAK

10:10 - 11:25 am Panel: *Finding out what your students have learned*
Charlotte Chell, Carthage College
Michael Moody, Harvey Mudd College
Sr. Barbara Reynolds, Cardinal Stritch University

11:30 - 12:30 pm Small Group Discussions with other Project NExT Fellows (organized geographically)

12:30 - 1:45 pm LUNCH

2:00 - 3:15 pm Repeat of morning breakout sessions

3:15 - 3:45 pm BREAK

3:45 - 5:45 pm *Closing Session*
Recognition of 2000-01 Fellows
Presentation: *Finding Your Niche in the Profession*
Joseph Gallian, University of Minnesota, Duluth

7:30 - 10:00 p.m. Mathfest Opening Banquet

Project NExT Courses During the Mathfest: Four-hour courses meeting 4:10 - 6:00 p.m. on Thursday and Friday, August 2 and 3.

- A. *Making Liberal Arts Mathematics Meaningful* -- Edward Burger, Williams College, and Michael Starbird, University of Texas, Austin
- B. *Differential Equations* -- Michael Moody, Harvey Mudd College
- C. *Strategies and Ideas for Improving Math Courses Designed for Prospective Teachers* -- Dale Oliver, Humboldt State University
- D. *Teaching Undergraduate Statistics: Active Learning, Data, and Concepts* -- Allan Rossman, Dickinson College, and Beth Chance, California State University, San Luis Obispo
- E. *Getting your Research off to a Good Start/Applying for Research and Education Grants* -- Joseph Gallian, University of Minnesota, Duluth, and Lloyd Douglas, National Science Foundation
- F. *Undergraduate Research -- How to Make It Work* -- Aparna Higgins, University of Dayton