Project NExT: New Jobs, New Responsibilities, New Ideas
Program for the Workshop in Providence, Rhode Island
July 28 - 30, 1999

The Project NExT registration area is in the Salomon Upper Lobby on the Brown University campus.

WEDNESDAY, JULY 28

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	*Mounting Stages* Thomas Banchoff, Brown University, and President, Mathematical Association of America
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* Thomas Banchoff, Brown University, and President, Mathematical Association of America Martha Siegel, Towson University, and Secretary, Mathematical Association of America John Ewing, Executive Director, American Mathematical Society Gilbert Strang, Massachusetts Institute of Technology, and President, Society for Industrial and Applied Mathematics

THURSDAY, JULY 29

7:00 - 8:30 am	BREAKFAST
8:30 - 9:45 a.m.	*Reform approaches to lower division courses* Five simultaneous sessions: *Teaching Calculus and Applied Calculus Using the Harvard Calculus Materials* -- Patti Frazer Lock, St. Lawrence University *The MAA's "Resources for Calculus" Collection* -- Robert Fraga, Baker University *What is "Calculus Reform" About? Examples from OZ* -- Arnold Ostebee, St. Olaf College *Linear Algebra with ATLAST* -- Lila Roberts, Georgia Southern University *Teaching Modern Differential Equations* -- Michael Moody, Harvey Mudd College
9:55 - 10:25 am	BREAK
10:25 - 11:40 am	Panel: *Choosing a way to teach calculus* Judy Holdener, Kenyon College Harvey Keynes, University of Minnesota Leonard VanWyk, James Madison University Moderator: Sharon Frechette, Wellesley College
11:45 a.m. - 1:15 pm	LUNCH
1:15 - 2:30 pm	Repeat of morning breakout sessions
2:40 - 3:40 pm	*Thoughts on the Purposes, Methods, and Results of Research in Undergraduate Mathematics Education* Alan Schoenfeld, University of California-Berkeley
3:40 - 4:10 pm	BREAK

4:10 - 5:25 pm	Panel: *The faculty member as teacher and scholar* Janet Andersen, Hope College Heather Hulett, Miami University, Ohio Timothy Ray, Southeast Missouri State University Donald St. Mary, University of Massachusetts-Amherst
5:30 - 7:00 pm	DINNER
8:00 - 10:00 pm	Social Event for all Project NExT Fellows and invited guests

FRIDAY, JULY 30

7:00 - 8:30 am	BREAKFAST
8:30 - 9:30 am	*Selected topics in undergraduate math education* Five simultaneous sessions: *Problems in the Classroom: Avoid Them if You Can, Solve Them if You Must* -- Amy Cohen, Rutgers University *Adding the Words: Using Writing to Teach Mathematics* -- John Meier, Lafayette College *Describing Your Course to Others: Course Portfolios in Mathematics* -- Gavin LaRose, Nebraska Wesleyan University *Teaching Abstract Algebra With Computer Projects* -- Russell Blyth, Saint Louis University *Teaching Geometry* -- Colm Mulcahy, Spelman College
9:35 - 10:35 am	Repeat of previous sessions
10:35 - 11:00 am	BREAK
11:00 am - 12:15 pm	Panel: *Finding out what your students have learned* Annalisa Crannell, Franklin & Marshall College Nancy Hagelgans, Ursinus College Michael McDonald, Occidental College Sharon Ross, Georgia Perimeter College
12:15 - 1:15 pm	LUNCH
1:30 - 3:00 pm	Small Group Discussions with other Project NExT Fellows (organized geographically)
3:00 - 3:30 pm	BREAK
3:30 - 5:30 pm	*Closing Session* Recognition of 1998-99 Fellows Presentation: *Finding Your Niche in the Profession* Joseph Gallian, University of Minnesota-Duluth
7:30 - 9:30 p.m.	Mathfest opening banquet: The Number Hall of Fame Awards Ceremony Master of Ceremonies: Colin Adams, Williams College

Project NExT Short Courses During the Mathfest: Four-hour special sessions meeting 4:10-6:00 p.m. on Saturday, July 31, and Sunday, August 1.
A. *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
B. *Undergraduate Research -- How to Make It Work* -- Aparna Higgins, University of Dayton
C. *Teaching Mathematics with Technology: How? When? Why?* -- Penelope Dunham, Muhlenberg College
D. *Mathematics Courses for Prospective Teachers* -- Patricia Jones, University of Southwestern Louisiana
E. *Bringing the World into Your Course by Using Projects and Investigations* -- Janet Andersen, Hope College
F. *Facilitating Active Learning: Concrete Ways to Foster Active Student Participation in and out of the Classroom* -- Sandra Rhoades, Keene State College