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
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