

Project NExT: New Jobs, New Responsibilities, New Ideas
Program for the Workshop in Toronto, Canada
July 13 - 15, 1998

"L" denotes rooms in the Library, "A" denotes rooms in Jorgenson Hall, and the Center Hub connects those two buildings. "B" denotes the Business Building.

MONDAY, July 13

- 11:00 am - 1:15 pm Arrival and registration, Center Hub
- 1:30 - 1:45 pm Welcome and Opening Remarks
T. Christine Stevens, Project NExT director
Library, L72
- 2:00 - 2:45 pm Small Group Discussions--See information for assignments
Group A: Room A355 Group E: Room A450
Group B: Room A356 Group F: Room A455
Group C: Room A361 Group G: Room L163
Group D: Room A363
- 2:50 - 3:40 pm *What do you do in the classroom (now that you finally have a job)?*
Anita Solow, Randolph Macon Woman's College
First Vice President, Mathematical Association of America
Library, L72
- 3:45 - 4:15 pm BREAK--Center Hub
- 4:15 - 5:00 pm Small Group Discussions
[Same Room assignments by group as above, but your group assignment may have changed.]
- 5:30 - 7:00 pm DINNER
- 7:30 - 9:00 pm *Conversation with the Leadership*
Gerald Alexanderson, Santa Clara University
President, Mathematical Association of America
Martha Siegel, Towson University
Secretary, Mathematical Association of America
John Guckenheimer, Cornell University
President, Society for Industrial and Applied Mathematicians
Library, L72

TUESDAY, July 14

- 7:00 - 8:20 am Breakfast
- 8:30 - 10:00 am *Several Versions of Calculus Reform -- from the Teacher's Perspective*
Five simultaneous sessions--See information for assignments
- A. *Harvard Consortium Calculus* -- Morton Brown, University of Michigan -- Room A355
- B. *Ostebee/Zorn (Calculus from the Graphical, Symbolic, and Numerical Point of View)* -- Arnold Ostebee, St. Olaf College -- Room A356
- C. *Project CALC (Duke Project)* -- Paula Shorter, Rockhurst College -- Room A361
- D. *Calculus Reform: An Approach Using "Resources for Calculus"* -- Wayne Roberts, Macalaster College--Room A363
- E. *Calculus in Context* -- John Doner, University of California, Santa Barbara, Room A450

- 10:00 - 10:30 am BREAK--Center Hub
- 10:30 - 12 noon Repeat of previous sessions--See information for assignments
- 12 noon - 1:20 pm LUNCH
- 1:30 - 2:35 pm Panel: *To Reform or Not to Reform*
 Colin Adams, Williams College
 Morton Brown, University of Michigan
 Library, L72
- 2:40 - 3:45 pm Panel: *Research in undergraduate mathematics education*
 Karen King, San Diego State University
 Michael McDonald, Occidental College
 Georgia Tolia, Purdue University-Calumet
 Library, L72
- 3:45 - 4:10 pm BREAK
- 4:15 - 5:30 pm Panel: *The Faculty Member as Teacher and Scholar*
 Colin Adams, Williams College
 Janet Andersen, Hope College
 Timothy Ray, Southeast Missouri State University
 Mary Silber, Northwestern University
 Library, L72
- 5:45 - 7:00 pm DINNER
- 8:00 - 10:00 pm Social Event for all Project NExT Fellows and invited guests
 International Conference Center (I.C.C.)

WEDNESDAY, July 15

- 7:00 - 8:15 am Breakfast
- 8:30 - 9:30 am *Selected Topics in Undergraduate Mathematics Education*
 Five simultaneous sessions--see information for assignment
- A. *Describing Your Course to Others: Course Portfolios in Mathematics* -- Steve Dunbar, University of Nebraska-Lincoln, Gavin LaRose, Nebraska Wesleyan University -- Room A361
- B. *Teaching via the World Wide Web* -- Marcelle Bessman, Jacksonville University -- Room A363
- C. *Making the Transition to Research in Mathematics Education* -- Karen King, San Diego State University, Michael McDonald, Occidental College, Georgia Tolia, Purdue University-Calumet -- Room A450
- D. *Advising Mathematics Students Academically and Professionally* -- James Sellers, Cedarville College -- Room A455
- E. *Teaching Abstract Algebra with Computer Projects* -- Russell Blyth, Saint Louis University -- Room L163
- 9:35 - 10:35 am Repeat of previous sessions--see information for assignments
- 10:35 - 11:00 am BREAK--Center Hub
- 11:00 - 12:15 pm *Some Highlights on What a Decade of Reform Tells Us about Teaching and Learning Mathematics*
 Glenda Lappan, Michigan State University
 President, National Council of Teachers of Mathematics
 Library, L72

- 12:15 - 1:35 pm LUNCH
- 1:45 - 3:00 pm Small Group Discussions with other Project NExT Fellows
- [For these sessions we will be splitting geographically. Please attend the group that includes the state or province where your institution is located.]
- Group A -- ME, NH, VT, CT, MA, NS, NY -- Room A361
 Group B -- DC, DE, PA, MD, NJ, VA, WVA -- Room A363
 Group C -- TN, NC, SC -- Room A450
 Group D -- AL, FL, GA -- Room A455
 Group E -- AR, LA, MO, MS, OK -- Room L163
 Group F -- KY, MI, OH -- Room L165
 Group G -- IL, IN, WI -- Room L370
 Group H -- NM, HI, NV, UT, AZ, CA, TX -- Room L372
 Group I -- IA, KS, MN, ND -- Room L375
 Group J -- AB, AK, WY, CO, ID, MT, NE, SD, OR, WA -- Room L477
- 3:00 - 3:30 pm BREAK--Center Hub
- 3:30 - 5:30 pm *Closing Session*
 Overview of special activities at the MATHFEST
 Recognition of 1997-98 Fellows
 Presentation: *Finding Your Niche in the Profession*
 Joseph Gallian, University of Minnesota, Duluth
 Library, L72
- 7 - 10 p.m. MATHFEST Opening Event: Mystic Festival
 Courtyard of Pitman Hall

Project NExT Short Courses During the MATHFEST

Four hour special sessions meeting on **Thursday, July 16, 3:55-5:45 p.m. and on Friday, July 17, 4:10 - 6 p.m.** [See information for assignments.]

- A. *A New Approach to "Math for Elementary Teachers"* -- Patricia Baggett, New Mexico State University, and Karin Matray, Las Cruces Public Schools, New Mexico -- Room L163
- B. *Applying for Research and Education Grants* -- Lloyd Douglas, National Science Foundation -- Room B201 on Thursday, Room A361 on Friday
- C. *Facilitating Active Learning: Concrete Ways to Foster Active Student Participation* -- Sandra Rhoades, Keene State College -- Room A450 on Thursday, Room A363 on Friday
- D. *Projects for Precalculus* -- Janet Andersen, Hope College -- Room B106 on Thursday, Thursday, Room L375 on Friday
- E. *Undergraduate Research Projects* -- Aparna Higgins, Univ. of Dayton -- Room B110 on Thursday, Room A355 on Friday
- F. *Teaching Mathematics with Technology: How? When? Why?* -- Penny Dunham, Muhlenberg College -- Room L165
- G. *Understanding Confidence Intervals* -- Ann Watkins, California State University, Northridge -- Room B200 on Thursday, Room A356 on Friday

