

Project NExT: New Jobs, New Responsibilities, New Ideas
Program for the Workshop at the University of Washington
August 7 - 9, 1996

WEDNESDAY, AUGUST 7

- 11:00 am - 1:15 pm Registration
- 1:30 - 1:45 pm *Welcome and Opening Remarks*
James R. C. Leitzel and T. Christine Stevens,
Project NExT co-directors
- 2:00 - 2:45 pm Small Group Discussions
- 2:50 - 3:40 pm *Keynote address*
Lida K. Barrett, United States Military Academy
- 3:45 - 4:15 pm BREAK
- 4:15 - 5:00 pm Small Group Discussions
- 6:00 - 7:00 pm DINNER
- 7:30 - 9:00 pm *Conversation with the Leadership*
Kenneth Ross, President, Mathematical Association of America
Gerald Alexanderson, President-elect, MAA
John Ewing, Executive Director, American Mathematical Society

THURSDAY, AUGUST 8

- 8:45 - 10:00 am *Several Versions of Calculus reform -- from the Teacher's Perspective*
Five simultaneous sessions:
Harvard Consortium Calculus -- William Velez, University of Arizona
Ostebee/Zorn (Saint Olaf Project) -- Arnold Ostebee, St. Olaf College
Project CALC (Duke Project)-- Emily Puckette, Occidental College
C4L (Purdue Project) -- David Mathews, Central Michigan University
Using Collected Resources -- Anita Solow, DePauw University
- 10:00 - 10:15 am Planning Session for Afternoon Discussions
- 10:15 - 10:45 am BREAK
- 10:45 - 12:00 Repeat of previous sessions
- 12:00 - 1:10 pm LUNCH
- 1:15 - 2:15 pm *Making Sense of Our Students' Making Sense of Calculus*
Alan Schoenfeld, University of California - Berkeley
- 2:20 - 3:30 pm Birds of a Feather Sessions
Small group discussions on topics selected by Fellows
- 3:30 - 4:00 pm BREAK
- 4:00 - 5:15 pm Panel: *The Faculty Member as Teacher and Scholar*
W. James Lewis, University of Nebraska-Lincoln
Janet Ray, Seattle Central Community College
James Solomon, Georgia Southern University
Janet Talvacchia, Swarthmore College

- 6:00 - 7:00 pm DINNER
- 8:00 - 10:00 pm Social Event for All Project NExT Fellows and invited guests

FRIDAY, AUGUST 9

- 8:30 - 9:30 am *Selected Topics in Undergraduate Mathematics Education*
 Five simultaneous sessions:
Summer Research Programs for Students -- Joseph Gallian, University of Minnesota - Duluth
Business Calculus -- Robert Richardson, Appalachian State University
Teaching Abstract Algebra with Computer Projects -- Russell Blyth, Saint Louis University
Introductory Statistics Courses in the Current Climate of Change---
 Richard Single, St. Olaf College; John Holcomb, Youngstown State University; Thaddeus Tarpey, Wright State University
Teaching Differential Equations Using Projects and Computer Laboratories
 -- Gavin LaRose, Nebraska Wesleyan University
- 9:35 - 10:35 am Repeat of previous sessions
- 10:35 - 11:00 am BREAK
- 11:00 - 12:15 pm *Undergraduate Mathematics Education Research*
 Patrick Thompson, San Diego State University
- 12:15 - 1:30 pm LUNCH
- 1:30 - 3:00 pm Small Group Discussions with 1995-96 Fellows
- 3:00 - 3:30 pm BREAK
- 3:30 - 5:30 pm *Closing Session*
 Overview of special activities at the MATHFEST
 Recognition of 1995-96 Fellows
 Presentation: *Finding Your Niche in the Profession*
 Joseph Gallian, University of Minnesota, Duluth
- Evening MATHFEST Opening Banquet
 Reception at 6:30 pm, Dinner at 7:30 pm

Saturday, August 10 - Sunday, August 11. During the MATHFEST, Fellows will choose among four-hour short courses that have been specially designed for them. These short courses will meet from 3 p.m. to 5 p.m. on each day.

- Bringing the Teaching of Pre-calculus into the 21st Century*-- Pamela Matthews, Mount Hood Community College
- Undergraduate Student Research in Mathematics -- how to make it work* --Aparna Higgins, University of Dayton
- Changing Technology and Pedagogy: Proliferation and Fragmentation* -- Joseph Fiedler, California State University - Bakersfield, and Wade Ellis, West Valley College
- Cooperative Learning -- Guidelines for Instructors*--Nancy Hagelgans, Ursinus College
- Teachers Enhancing the Mathematical Preparation of Elementary School Teachers* -- Judith Covington, Louisiana State University - Shreveport
- Getting Your Research Known and Applying for Research Grants* --Jean Taylor, Rutgers University, and Sidney Graham, National Science Foundation
- Applications Across the Curriculum -- The New Liberal Arts* --Solomon Garfunkel, COMAP, Inc.
- Facilitating Active Learning: Concrete Ways to Foster Active Student Participation in and out of the Classroom* --Sandra Rhoades, Keene State College