

**PROJECT NEXt**  
**NEW EXPERIENCES IN TEACHING**  
**2007-2008 FELLOWS, SAN JOSÉ, CA**

A program of  
**THE MATHEMATICAL ASSOCIATION OF AMERICA**

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**Project NExT: New Jobs, New Responsibilities, New Ideas**  
**Program for the Workshop in San José, California**  
**July 31 - August 2, 2007**

The Project NExT registration area is in MacQuarrie Hall (MH) on the San José State University campus.

**TUESDAY, JULY 31**

- 11 am - 1:15 pm** Arrival and registration
- 1:30 - 1:45 pm** Welcome and opening remarks  
T. Christine Stevens, Saint Louis University  
Director of Project NExT  
**Science Building 142**
- 2:00 - 2:45 pm** Small group discussions – See information for assignments  
**Group A: MH 222                      Group E: MH 233**  
**Group B: MH 223                      Group F: MH 234**  
**Group C: MH 224                      Group G: MH 235**  
**Group D: MH 225                      Group H: MH 323**
- 2:55 - 3:45 pm** *Teaching is a Practical Art*  
Jennifer Quinn, Association for Women in Mathematics  
**Science Building 142**
- 3:50 - 4:20 pm** BREAK – MH Hallway
- 4:30 - 5:15 pm** Small group discussions [Same room assignments by group above, but your group assignment may have changed.]  
**Group A: MH 222                      Group E: MH 233**  
**Group B: MH 223                      Group F: MH 234**  
**Group C: MH 224                      Group G: MH 235**  
**Group D: MH 225                      Group H: MH 323**
- 5:30 - 7:00 pm** DINNER – **Dining Commons**
- 7:30 - 8:45 pm** *Joining the Mathematical Community*  
Elizabeth Allman, University of Alaska Fairbanks  
Bradford Chin, West Valley College  
Judith Covington, Louisiana State University, Shreveport  
Francis Su, Harvey Mudd College  
**Science Building 142**
- 9:00 p.m. - ?** INFORMAL SOCIALIZING

## WEDNESDAY, AUGUST 1

**7:00 - 8:15 am** BREAKFAST – Dining Commons

**8:30 – 9:45 am** *Selected topics in teaching undergraduate mathematics I*

[Five simultaneous sessions – See information for assignments.]

A. *Teaching Calculus Using Creative Hands-on Activities* – Julia Barnes, Western Carolina University, **MH 234**

B. *What Really Happens When students Work Online?* – Andrew Bennett, Kansas State University, **MH 223**

C. *Helping Students Learn Linear Algebra* – Jane Day, San José State University, **MH 225**

D. *Advising Mathematics Students Academically and Professionally* – James Sellers, Pennsylvania State University, **MH 222**

E. *Experiencing Spherical Geometry: A Non-Axiomatic Approach to Teaching College Geometry* – Christopher Swanson, Ashland University, **MH 235**

**9:55 - 10:25 am** BREAK – Science Building Hallway

**10:25 - 11:40 am** Panel: *Deciding how to teach*

Suzanne Dorée, Augsburg College, Minnesota

William Higgins, Wittenberg University

Teri Jo Murphy, University of Oklahoma

**Science Building 142**

**11:45 am - 1:15 pm** LUNCH – Dining Commons

**1:15 - 2:30 pm** Repeat of morning breakout sessions – See information for assignments

**2:40 - 3:40 pm** *Heroes, Foot Soldiers, and in Between: Fulfilling Our Responsibilities Towards the World of K-12 Mathematics*

Judith Roitman, University of Kansas

**Science Building 142**

**3:40 - 4:10 pm** BREAK – Science Building Hallway

**4:10 - 5:25 pm** Panel: *The faculty member as teacher and scholar*

Sheldon Axler, San Francisco State University

Amy Cohen, Rutgers University

Karolyne Fogel, California Lutheran University

Herbert Medina, Loyola Marymount University

**Science Building 142**

**5:30 - 7:00 pm** DINNER – Dining Commons

**8:00 - 10:00 pm** Social Event for 2006-07 and 2007-08 Project NExT Fellows and presenters  
**Recreation and Activities Center (RAC Room), Campus Village**

**10:00 pm - ?** INFORMAL SOCIALIZING

**THURSDAY, AUGUST 2**

**7:00 - 8:30 am** BREAKFAST – **Dining Commons**

**8:30 – 9:35 am** FREE TIME for informal socializing, etc.

**9:35- 10:05 am** BREAK – **MH Hallway**

**10:10 - 11:25 am** *Selected topics in teaching undergraduate mathematics II*

[Five simultaneous sessions – See information for assignments.]

A. *Discrete Math* – Arthur Benjamin, Harvey Mudd College, **MH 225**

B. *“You Can't Do What You Want Without Mathematics, and You Can Do Mathematics”*: *Two Liberal Arts Mathematics Courses* – Judith Grabiner, Pitzer College, **MH 233**

C. *Effectively Using Applied Writing Projects in Calculus and Differential Equations* – P. Gavin LaRose, University of Michigan, **MH 235**

D. *Promoting Diversity in Mathematics: Challenges, Opportunities & Ideas for Involvement* – Herbert Medina, Loyola Marymount University, **MH 234**

E. *Teaching Students to Prove Theorems* – Carol Schumacher, Kenyon College, **MH 222**

**11:30 am - 12:15 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 - AB, AK, CO, HI, ID, MT, OR, UT, WA, WY - **MH 323**

Group B - AZ, CA, NV, NM - **MH 223**

Group C - IA, MN, ND, NE, SD - **DH 135**

Group D - AR, KS, LA, MS, MO, OK, TX - **MH 225**

Group E - IL, IN, MI, OH - **MH 224**

Group F - AL, FL, GA, NC, SC, TN, VI - **MH 222**

Group G - DE, KY, PA, WV - **MH 233**

Group H - DC, MD, Metropolitan NYC (ZIP codes 10000-11999 and 12400-12799), NJ, VA - **MH 235**

Group I - CT, MA, ME, NF, NH, NS, NY (ZIP Codes 12000-12399 and 12800-14999) - **MH 234**

**12:15 - 1:30 pm** LUNCH – **Dining Commons**

**1:35 - 2:50 pm** Repeat of morning breakout sessions – See information for assignments. (Note that Session C meets in **MH 223**.)

**2:55 - 3:25 pm** Planning session for January Meetings in New Orleans  
**Science Building 142**

(Thursday continued on next page)

## THURSDAY, AUGUST 2 (continued)

- 3:25-3:55 pm**    **BREAK – Science Building Hallway**
- 3:55 - 5:25 pm**    Closing Session  
                            Recognition of 2006-07 Fellows  
                            Presentation: *Finding Your Niche in the Profession*  
  Joseph Gallian, University of Minnesota Duluth  
**Science Building 142**
- 6:30 – 7:30 pm**    Mathfest Opening Reception (Cash bar)  
**Regency Lobby, Fairmont San José**
- 7:30 – 9:30 pm**    Mathfest Opening Banquet  
                            Master of Ceremonies: Donald Albers, Mathematical Association of America  
                            Presentation: *Canonical forms: A mathematician's view of musical canons*  
  Noam Elkies, Harvard University  
**Regency Ballroom, Fairmont San José**
- 9:30 pm - ?**        **INFORMAL SOCIALIZING**

## FRIDAY AND SATURDAY, AUGUST 3 AND 4

**Project NExT Courses During the Mathfest:** Four-hour courses meeting in the Fairmont San José on Friday and Saturday, August 3 - 4. [See information for assignments.]

- A. *Biological Applications and Mathematical Modeling for Undergraduate Courses* – Joseph Mahaffy, San Diego State University, 1:00 - 3:00 pm,  
**Plaza Room, Fairmont San José**
- B. *Applying for Research and Education Grants at the National Science Foundation/Starting and Maintaining Your Mathematical Research Program*, 1:00 - 3:00 pm  
Deborah Lockhart, National Science Foundation, **Terrace Room, Fairmont San José**  
Ezra (Bud) Brown, Virginia Polytechnic Institute & State University,  
**Redwood Room, Fairmont San José**
- C. *Teaching an Introductory Statistics Course* – Robin Lock, Saint Lawrence University, 3:15 - 5:15 pm, **Plaza Room, Fairmont San José**
- D. *Teaching Math Courses for Teachers* – Dale Oliver, Humboldt State University, 3:15 - 5:15 pm, **Terrace Room, Fairmont San José**
- E. *Undergraduate Research – How to Make It Work* – Aparna Higgins, University of Dayton,  
3:15 - 5:15 pm, **Redwood Room, Fairmont San José**

