

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

The Project NExT registration area is in MacQuarrie Hall on the San Jose State University campus.

TUESDAY, JULY 31

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| 11 am - 1:15 pm | Arrival and registration |
| 1:30 - 1:45 pm | Welcome and opening remarks T. Christine Stevens, Saint Louis University and Director of Project NExT |
| 2:00 - 2:45 pm | Small group discussions |
| 2:55 - 3:45 pm | <i>Teaching is a Practical Art</i> Jennifer Quinn, Association for Women in Mathematics |
| 3:50 - 4:20 pm | BREAK |
| 4:30 - 5:15 pm | Small group discussions |
| 5:30 - 7:00 pm | DINNER |
| 7:30 - 8:45 pm | <i>Joining the Mathematical Community</i> Elizabeth Allman, University of Alaska Fairbanks Bradford Chin, West Valley College Judith Covington, Louisiana State University, Shreveport Francis Su, Harvey Mudd College |
| 9:00 p.m. - ? | INFORMAL SOCIALIZING |

WEDNESDAY, AUGUST 1

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| 7:00 - 8:15 am | BREAKFAST |
| 8:30 - 9:45 am | <i>Selected topics in teaching undergraduate mathematics I</i> [Five simultaneous sessions] A. <i>Teaching Calculus Using Creative Hands-on Activities</i> – Julia Barnes, Western Carolina U. B. <i>What Really Happens When Students Work Online?</i> – Andrew Bennett, Kansas State University C. <i>Helping Students Learn Linear Algebra</i> – Jane Day, San Jose State University D. <i>Advising Mathematics Students Academically and Professionally</i> – James Sellers, Pennsylvania State University E. <i>Experiencing Spherical Geometry: A Non-Axiomatic Approach to Teaching College Geometry</i> – Christopher Swanson, Ashland University |
| 9:55 - 10:25 am | BREAK |
| 10:25 - 11:40 a.m. | Panel: <i>Deciding how to teach</i> Suzanne Doree, Augsburg College, Minnesota William Higgins, Wittenberg University Teri Jo Murphy, University of Oklahoma |
| 11:45 am - 1:15 pm | LUNCH |
| 1:15 - 2:30 pm | Repeat of morning breakout sessions |
| 2:40 - 3:40 pm | <i>Heroes, Foot Soldiers, and in Between: Fulfilling Our Responsibilities Towards the World of K-12 Mathematics</i> Judith Roitman, University of Kansas |
| 3:40 - 4:10 pm | BREAK |
| 4:10 - 5:25 pm | Panel: <i>The faculty member as teacher and scholar</i> Sheldon Axler, San Francisco State University Amy Cohen, Rutgers University Karolyne Fogel, California Lutheran University Herbert Medina, Loyola Marymount University |
| 5:30 - 7:00 pm | DINNER |
| 8:00 - 10:00 pm | Social Event for 2006-07 and 2007-08 Project NExT Fellows and presenters |
| 10:00 pm - ? | INFORMAL SOCIALIZING |

(continued on next page)

THURSDAY, AUGUST 2

- 7:00 - 8:30 am** BREAKFAST
- 8:30 - 9:35 am** FREE TIME for informal socializing, etc.
- 9:35- 10:05 am** BREAK
- 10:10 - 11:25 am** *Selected topics in teaching undergraduate mathematics II* [Five simultaneous sessions]
- A. *Discrete Math* – Arthur Benjamin, Harvey Mudd College
 - B. *“You Can’t Do What You Want Without Mathematics, and You Can Do Mathematics”*: *Two Liberal Arts Mathematics Courses* – Judith Grabiner, Pitzer College
 - C. *Effectively Using Applied Writing Projects in Calculus and Differential Equations* – P. Gavin LaRose, University of Michigan
 - D. *Promoting Diversity in Mathematics: Challenges, Opportunities & Ideas for Involvement* – Herbert Medina, Loyola Marymount University
 - E. *Teaching Students to Prove Theorems* – Carol Schumacher, Kenyon College
- 11:30 am - 12:15 pm** Small Group Discussions with other Project NExT Fellows (organized geographically)
- 12:15 - 1:30 pm** LUNCH
- 1:35 - 2:50 pm** Repeat of morning breakout sessions
- 2:55 - 3:25 pm** Planning session for January Meetings in New Orleans
- 3:25-3:55 pm** BREAK
- 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
- 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
- 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 Jose on Friday and Saturday, August 3 - 4.

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