

**21ST ANNUAL MATHEMATICS/APPLIED MATHEMATICS
RECRUITMENT WORKSHOP
Current Ideas in the Mathematical Sciences**

SEMINAR SCHEDULE

March 5-6, 2007

All Events will be held in the Math Building, Room 401N

Monday, March 5

- 8:30 a.m. Welcome Address
Michael Tabor, Head, Program in Applied Mathematics
Douglas Ulmer, Associate Head for the Graduate Program, Department of Mathematics
- 9:00 – 9:25 a.m. Thomas Kennedy, Faculty, Department of Mathematics
“A Random Walk in the Space of Conformal Maps”
- 9:30 – 9:55 a.m. Serina Diniega, Graduate Student, Program in Applied Mathematics
“Simulation and Analysis of Sand Dune Evolution”
- 10:00 – 10:30 a.m. Break (Refreshments provided)
- 10:30 – 10:55 a.m. Douglas Ulmer, Associate Head for the Graduate Program, Department of Mathematics
“A Recent Research Tutorial Group: Fermat Curves and Elliptic Curves, Part I”
- 11:00 – 11:25 a.m. Thomas Occhipinti, Graduate Student, Department of Mathematics
“A Recent Research Tutorial Group: Fermat Curves and Elliptic Curves, Part II”
- 11:30 – 12:00 p.m. Tour of Applied Math and Biomath Labs* (Meet in Rm 401N)
Robert Reinking, Senior Research Engineer, Program in Applied Mathematics
Michael Tabor, Head, Program in Applied Mathematics
- 12:00 – 2:00 p.m. Lunch Break (on your own)
- 2:00 – 2:25 p.m. Timothy Secomb, Joint Faculty, Department of Mathematics and Department of Physiology
“Mathematical Modeling of Biological Phenomena”
- 2:30 – 2:55 p.m. Bob Borys, Computing Manager, Computational Facilities*
- 3:00 – 3:30 p.m. Break (Refreshments provided)
- 3:30 – 3:55 p.m. Rosalyn Rael, Graduate Student, Program in Applied Mathematics
“From Flour Beetles to Food Webs: Applications of Evolutionary Game Theory”
- 4:00 – 4:50 p.m. Mac Hyman, Los Alamos National Laboratory, Mathematical Modeling & Analysis
“Good Choices for Great Careers in the Mathematical Sciences”

**Attendance on tours is optional*

Tuesday, March 6

- 9:00 – 9:25 a.m. David Glickenstein, Faculty, Department of Mathematics
"The Poincare Conjecture: What is it?"
- 9:30 – 9:55 a.m. Jefferson Taft, Graduate Student, Department of Mathematics
"Ricci Flow: Poincare solved!"
- 10:00 – 10:30 a.m. Break (Refreshments provided)
- 10:30 – 10:55 a.m. Rebecca McGraw, Faculty, Department of Mathematics
"Mathematics Education at the University of Arizona"
- 11:00 – 11:25 a.m. Juan Restrepo, Faculty, Department of Mathematics
"Computational Geoscience Research"
- 11:30 a.m. Workshop ends