

**24th ANNUAL MATHEMATICS/APPLIED MATHEMATICS
RECRUITMENT WORKSHOP
Current Ideas in the Mathematical Sciences**

SEMINAR SCHEDULE

March 8-9, 2010

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

Monday, March 8th

- 8:55 a.m. Welcome
Michael Tabor, Head, Program in Applied Mathematics
Tom Kennedy, Associate Head for the Graduate Program, Department of Mathematics
- 9:00 – 9:25 a.m. **Joceline Lega**, Faculty, Department of Mathematics
"The Institute for Mathematics and Education: opportunities for funding and professional development"
- 9:30 – 9:55 a.m. **Matthew Pennybacker**, Graduate Student, Program in Applied Mathematics
"The universal nature of Fibonacci patterns"
- 10:00 – 10:30 a.m. Break
- 10:30 – 10:55 a.m. **David Herzog**, Graduate Student, Department of Mathematics
"Stochastic Differential Equations"
- 11:00 – 11:25 a.m. **Klaus Lux**, Faculty, Department of Mathematics
"Computational Group Theory"
- 11:30 – 12:00 p.m. **Michael Tabor**, Head, Program in Applied Mathematics and **Robert Reinking**, Senior Research Engineer, Program in Applied Mathematics: "What do you see?" A tour of the Applied Mathematics Laboratory* (Meet in Room 401N)
- 12:00 – 2:00 p.m. Lunch Break
- 2:00 – 2:25 p.m. **Serina Diniega**, Graduate Student, Program in Applied Mathematics
"Dune and Dune Field Evolution"
- 2:30 – 2:55 p.m. **Jim Cushing**, Faculty, Department of Mathematics
*Population & Evolutionary Dynamic Models of Semelparity :
Cicadas, Salmon & Sunflowers - what are they doing & why?*
- 3:00 – 3:30 p.m. Break
- 3:30 – 3:55 p.m. **Jordan Schettler**, Graduate Student, Department of Mathematics
"Cyclotomic Fields, Bernoulli Numbers, and Iwasawa Theory"
- 4:00 – 4:25 p.m. **Karl Newell**, Computing Manager, Computational Facilities*

**Attendance on tours is optional*

Tuesday, March 9th

- 8:30 a.m. Refreshments
- 9:00 – 9:25 a.m. **Jean-Marc Fellous**, Faculty, Department of Psychology
“Can rats solve the Traveling Salesman Problem?”
- 9:30 – 9:55 a.m. **Daniel Champion**, Graduate Student, Department of Mathematics
“Variational techniques for finding ideal metrics on simplicial manifolds”
- 10:00 – 10:25 a.m. **Jerry Moloney**, Faculty, Department of Mathematics
TBA
- 10:30 – 10:55 a.m. **Sunhi Choi**, Faculty, Department of Mathematics
TBA
- 11:00 a.m. Seminar ends