

**22nd ANNUAL MATHEMATICS/APPLIED MATHEMATICS
RECRUITMENT WORKSHOP
Current Ideas in the Mathematical Sciences**

SEMINAR SCHEDULE

March 9-11, 2008

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

Monday, March 10th

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| 8:45 a.m. | Welcome Address
Michael Tabor, Head, Program in Applied Mathematics
Ken McLaughlin, Acting Head for the Graduate Program, Department of Mathematics |
| 9:00 – 9:25 a.m. | C. Ryan Vinroot, Faculty, Department of Mathematics
<i>“Combinatorial Representation Theory”</i> |
| 9:30 – 9:55 a.m. | Cameron McLeman, Graduate Student, Department of Mathematics
<i>“The Failure of Unique Factorization”</i> |
| 10:00 – 10:30 a.m. | Break |
| 10:30 – 10:55 a.m. | Ildar Gabitov, Faculty, Department of Mathematics
<i>“Nanostructured materials: properties and modeling”</i> |
| 11:00 – 11:25 a.m. | Carlos Chiquete, Graduate Student, Program in Applied Mathematics
<i>“Stability of detonation waves”</i> |
| 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. | Qiu-dong Wang, Faculty, Department of Mathematics
<i>“A brief introduction to Dynamical Systems”</i> |
| 2:30 – 2:55 p.m. | Bob Borys, Computing Manager, Computational Facilities* |
| 3:00 – 3:30 p.m. | Break |
| 3:30 – 3:55 p.m. | Janek Wehr, Faculty, Department of Mathematics
<i>“A Bit of Quantum Information”</i> |
| 4:00 – 4:50 p.m. | Mac Hyman, Los Alamos National Laboratory, Mathematical Modeling & Analysis
<i>“Good Choices for Great Careers in Science”</i> |

**Attendance on tours is optional*

Tuesday, March 11th

- 8:30 a.m. Refreshments
- 9:00 – 9:25 a.m. William McCallum, Faculty, Department of Mathematics
TBA
- 9:30 – 9:55 a.m. Casey Warmbrand, Graduate Student, Department of Mathematics
“Random Tilings and their Asymptotics”
- 10:00 – 10:25 a.m. Julia Arciero, Graduate Student, Program in Applied Mathematics
“A theoretical model of blood flow regulation”
- 10:30 a.m. Seminar ends