

# PURDUE

UNIVERSITY

## Department of Mathematics Seminars and Colloquia

February 4–8, 2008

### IMA Information Session

Tuesday  
February 5 Professor Douglas Arnold, Director, IMA, University of Minnesota  
“The Institute for Mathematics and its Applications” UNIV 203  
1:30 P.M.

### Operator Algebras Seminar

Tuesday  
February 5 Professor Marius Dadarlat, Purdue University  
“One-Parameter Continuous Fields of Matrix Algebras” REC 314  
2:45 P.M.

### Department of Mathematics Colloquium

Tuesday  
February 5 Professor Doug Arnold, University of Minnesota  
“The Geometrical Basis of Numerical Stability” MATH 175  
4:30 P.M.

### Working Algebraic Geometry Seminar

Wednesday  
February 6 Professor Uli Walther, Purdue University  
“Newton Gradings of Semigroup Rings” REC 117  
3:30 P.M.

### Student Seminar on Operator Algebras

Thursday  
February 7 Mr. Stefanos Orfanos, Purdue University  
“Exact  $C^*$ -algebras and Related Topics Chapter III” MATH 731  
2:45 P.M. – 4:00 P.M.

### PDE Seminar

Thursday  
February 7 Professor Aaron Yip, Purdue University  
“Pulsating Wave for Mean Curvature Flow in an Inhomogeneous Medium” REC 315  
3:30 P.M.

### Number Theory Seminar

Thursday  
February 7 Mr. Ning Shang, Purdue University  
“Low Genus Curves and Cryptography” BRNG 1248  
3:30 P.M.

### Topology Seminar

Thursday  
February 7 Professor Matthew Ando, UIUC  
“An Quasicategory Approach to Units of Ring Spectra and Thom Spectra” REC 116  
3:30 P.M.

### Computational Finance Seminar

Friday  
February 8 Professor Victor Goodman, Indiana University  
“Principal Component Analysis of Forward Interest Rates” BRNG 1238  
2:30 P.M.

**Department of Mathematics Special Colloquium**

Friday  
February 8

Dr. Angela Hodge, North Dakota State University  
“A Seminar on the Teaching of College Algebra: Pre-service Teachers’  
Mathematical and Pedagogical Experiences”  
3:30 P.M.

BRNG 1254

You can also view this information on our departmental web page:  
<http://calendar.science.purdue.edu/math/seminars>