

# PURDUE

UNIVERSITY

## Department of Mathematics Seminars and Colloquia

January 31–February 4, 2011

### Department of Mathematics Special Colloquium

Monday  
January 31 Dawei Chen, University of Illinois  
“Geometry of Teichmueller Curves”  
1:30 P.M. BRNG B242

### Operator Algebras

Tuesday  
February 1 Professor Andrew Toms, Purdue University  
“Mean Dimension and Crossed Products”  
1:30 P.M. MATH 731

### Department of Mathematics Colloquium

Tuesday  
February 1 Professor Wilhelm Schlag, University of Chicago  
“Center Manifolds and Hamiltonian Evolution Equations”  
4:30 P.M. MATH 175

### Dynamical Systems Seminar

Wednesday  
February 2 Ms. Katia Vogt, Purdue University  
“Linear Systems in  $R^2$ ”  
11:25 A.M. MATH 211

### Working Algebraic Geometry Seminar

Wednesday  
February 2 Professor Jaroslaw Wlodarczyk, Purdue University  
“Weights on Cohomology and Singularities”  
3:30 P.M. MATH 731

### Commutative Algebra Seminar

Wednesday  
February 2 Dr. Manoj Kummini, Purdue University  
“A Vanishing Theorem for Etale Cohomology and a Conjecture of Lyubeznik”  
4:30 P.M. MATH 211

### Scattering Theory Seminar

Wednesday  
February 2 Professor Wilhelm Schlag, University of Chicago  
“Decay of Waves on Curved Backgrounds”  
4:30 P.M. REC 113

### Department of Mathematics Special Colloquium

Thursday  
February 3 Dr. David McReynolds, University of Chicago  
“Geometric Spectra”  
10:30 A.M. BRNG 1248

### Automorphic Forms and Representation Theory Seminars

Thursday  
February 3 Professor Jaime Lust, University of Iowa  
“Depth-zero Supercuspidal L-packets for  $GS p_4$ ”  
1:30 P.M. BRNG B261

**Topology Seminar**

Thursday  
February 3      Professor Justin Thomas, Notre Dame      MATH 731  
                         “Kontsevich’s Swiss Cheese Conjecture”  
                         3:30 P.M.

**Computational & Applied Mathematics Seminar**

Friday  
February 4      Kevin Zumbrun, Indiana University      REC 226  
                         “Whitham Averaging and Nonlinear Stability of Periodic Traveling Waves of  
                         Viscous Balance Laws”  
                         3:30 P.M.

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