

# PURDUE

UNIVERSITY

## Department of Mathematics Seminars and Colloquia

November 30-December 4, 2009

### Special Department of Mathematics Colloquium

Monday  
November 30 Professor Gunther Uhlmann, University of Washington at Seattle LWSN 1142  
"The Mathematics of Cloaking"  
4:30 P.M.

### Probability Seminar

Tuesday  
December 1 Professor Aaron Yip, Purdue University REC 307  
"Some Questions Concerning Interface Propagation in Inhomogeneous and  
Random Media"  
10:30 A.M.

### Operator Algebras Seminar

Tuesday  
December 1 Professor Sivaram K. Narayan, Central Michigan University MATH 731  
"Commutator of Composition Operators on the Hardy Space"  
2:30 P.M.

### Syzygies Reading Seminar

Tuesday  
December 1 Professor Manoj Kummini, Purdue University BRNG 1206  
"Lascoux Resolution"  
3:30 P.M.

### Department of Mathematics Colloquium

Tuesday  
December 1 Professor Patrick Speissegger, McMaster University MATH 175  
"*O*-minimal Transition Maps and Roussarie's Finite Cyclicity Conjecture"  
4:30 P.M.

### Elliptic Curves Seminar

Tuesday  
December 1 Kevin Mugo, Purdue University MATH 731  
"*l*-adic Galois Representations"  
4:30 P.M.

### Function Theory Seminar

Wednesday  
December 2 Professor Guang Yuan Zhang, Tsinghua University and City University of MATH 215  
New York  
"The Best Bound for the Area-length Ratio in Ahlfors Covering Surface  
Theory"  
1:30 P.M.

### Commutative Algebra Seminar

Wednesday  
December 2 Professor Kyungyong Lee, Purdue University MATH 215  
"Algebra and Combinatorics of Symbolic Powers of Diagonal Ideals"  
4:30 P.M.

### Student Topology/Geometry Seminar

Thursday  
December 3 Mr. Ben Ward, Purdue University MATH 731  
"Rational Homotopy Theory and Homotopy Theory of DGAs"  
12:30 P.M.

**Automorphic Forms and Representation Theory Seminar**

Thursday  
December 3

Professor Edray Goins, Purdue University  
“Introduction to the Sato–Tate Conjecture (Part II)”  
1:30 P.M.

BRNG B206

**Introduction to Schemes Seminar**

Thursday  
December 3

Professor Edray Goins, Purdue University  
“Schemes: The Gluing Construction”  
4:30 P.M.

MATH 731

**Topology Seminar**

Thursday  
December 3

Professor John Klein, Wayne State University  
“Periodicity and Duality”  
4:30 P.M.

MATH 211

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