



Department of Mathematics  
Seminars and Colloquia

April 19–23, 2010

**Bridge to Research Seminar**

Monday  
April 19 Professor Antonio SaBarreto, Purdue University REC 225  
"Geometric Scattering"  
4:30 P.M.

**Student Commutative Algebra Seminar**

Monday  
April 19 Mr. Youngsu Kim, Purdue University MATH 211  
"Linkage and Koszul Complex"  
4:30 P.M.

**Computational Finance Seminar**

Tuesday  
April 20 Professor Olympia Hadjiliadis, Brooklyn College and City University REC 121  
of New York  
"Drawdowns, Drawups and Financial Risk Management"  
5:30–6:20 P.M.

**Commutative Algebra Seminar**

Wednesday  
April 21 Professor Louiza Fouli, New Mexico State University MATH 211  
"Reductions of Edge Ideals and the Core"  
4:30 P.M.

**Automorphic Forms and Representation Theory Seminar**

Thursday  
April 22 Professor James Cogdell, Ohio State University MATH 211  
"Bessel Functions of Generic Representations"  
1:30 P.M.

**Topology Seminar**

Thursday  
April 22 Professor Greg Friedman, Texas Christian University REC 303  
"Additivity and Non-additivity of Perverse Signatures"  
3:30 P.M.

**Student Geometry and Topology Seminar**

Thursday  
April 22 Mr. Botong Wang, Purdue University MATH 731  
"Hirzebruch-Riemann-Roch Theorem"  
4:30 P.M.

**Probability Seminar**

Thursday  
April 22 Mr. Richard Eden, Purdue University MATH 175  
"Stein's Lemma and Pearson-type Tail Bounds"  
5:30 P.M.

**Special Working Algebraic Geometry Seminar by T.T. Moh**

Friday  
April 23 Professor T.T. Moh, Purdue University MATH 731  
"Resolution of Singularities in Characteristic  $p$ "  
10:30 A.M.

### Computational and Applied Mathematics Seminar

Friday Professor Professor Misun Min, Argonne National Lab  
April 23 “Scalable High-Order Algorithms for Applications in Plasmonics, Particle  
Accelerator Physics, and Fluids”  
3:30 P.M.

REC 123

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