



Department of Mathematics  
Seminars and Colloquia

January 25–29, 2010

**Geometric Analysis Seminar**

Monday  
January 25  
Professor Harold Donnelly, Purdue University  
“Spectral Theory of Negatively Curved Manifolds”  
3:30 P.M. MATH 215

**Student Seminar in Numerical Analysis**

Tuesday  
January 26  
David Imberti, Purdue University  
“A History of Nothing: Root-finding Algorithms”  
3:00 P.M. BRNG 1206

**Working Algebraic Geometry Seminar**

Wednesday  
January 27  
Mr. Pak Tung Ho, Purdue University  
“An Introduction to Siu’s Proof of Abundance Conjecture”  
3:30 P.M. MATH 731

**Commutative Algebra Seminar**

Wednesday  
January 27  
Professor Marc Chardin, University of Paris 6  
“Images of Rational Maps and Torsion in the Symmetric Algebra”  
4:30 P.M. MATH 211

**Automorphic Forms & Representation Theory Seminar**

Thursday  
January 28  
Professor Tong Liu, Purdue University  
“Modularity of 2-dimensional Galois Representations”  
1:30 P.M. MATH 211

**Number Theory Seminar**

Thursday  
January 28  
Professor Edray Goins, Purdue University  
“Manipulating Algebraic Integers using SAGE: A Tutorial”  
2:30 P.M. BRNG B238

**Student Algebraic Geometry Seminar**

Thursday  
January 28  
Mr. Botong Wang, Purdue University  
“Simpson’s Technique in Abundance Conjecture”  
2:30 P.M. MATH 731

**Topology Seminar**

Thursday  
January 28  
Professor Marius Dădărlat, Purdue University  
“The  $C^*$ -algebra of a Vector Bundle”  
3:30 P.M. REC 303

**Computational and Applied Mathematics Seminar**

Friday  
January 29  
Professor Nathan Glatt-Holtz, Indiana University  
“New Well-posedness Results for the Stochastic Equations of Geophysical Fluid Dynamics”  
3:30 P.M. REC 123

**Function Theory Seminar**

Friday  
January 29

Professor Sergei Merenkov, UIUC  
“Differentiability Properties of Quasisymmetric Maps Between Relative Schottky Sets”  
4:30 P.M.

MATH 731

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