

# PURDUE

UNIVERSITY

## Department of Mathematics Seminars and Colloquia

April 23–April 27, 2007

### Probability Seminar

Monday  
April 23  
Professor Padma Sundar, Louisiana State University  
“Backward Stochastic Navier-Stokes Equations”  
3:30 P.M. REC 103

### Geometric Analysis Seminar

Monday  
April 23  
Professor Adrian Jenkins, Purdue University  
“Structural Stability for Polynomial Automorphisms of  $\mathbb{C}^2$ ”  
4:30 P.M. MATH 215

### CCAM Visiting Scientists Seminar

Tuesday  
April 24  
Professor Tim Sluckin, Southampton University, UK  
“Episodes from the History of Liquid Crystals”  
3:30 P.M. UNIV 217

### Automorphic Forms and Representation Theory Seminar

Tuesday  
April 24  
Professor Roger Howe, Yale University  
“Three Generations of Invariant Theory”  
1:30 P.M. SC 239

### Department of Mathematics Colloquium

Tuesday  
April 24  
Professor Roger Howe, Yale University  
“Research Mathematicians in Mathematics Education: What’s the Point?”  
4:30 P.M. MATH 175

### Probability Seminar

Wednesday  
April 25  
Yu-Juan Jien, Purdue University  
“Stochastic Differential Equations Driven by Fractional Brownian Motion”  
3:30 P.M. REC 116

### Working Algebraic Geometry Seminar

Wednesday  
April 25  
Jaya Iyer, IAS  
“Flat Bundles on Algebraic Varieties”  
3:30 P.M. REC 314

### Operator Algebras Seminar

Thursday  
April 26  
Professor Marius Dadarlat, Purdue University  
“On the K-Theory Sheaves Associate to Continuous Fields of  $C^*$ -algebras”  
2:30-3:20 P.M. MATH 731

### Topology Seminar

Thursday  
April 26  
Professor Brian Munson, Stanford University  
“Link Maps and the Linking Number”  
3:30 P.M. MATH 211

**Joint Applied Math-PDE Seminar**

Thursday April 26	Professor Tim Sluckin, Southampton University, UK “Theories of the Smectic of Liquid Crystal State” 3:30 P.M.	UNIV 217
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**Mathematical Biology Seminar**

Friday April 27	Professor Stephen S T Yau, UIC “Two Methods in Predicting Protein Coding Regions” 2:30 P.M.	REC 116
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**Expository Lectures on Arithmetic Geometry**

Friday April 27	Professor Minhyong Kim, Purdue University “Elliptic Curves with Complex Multiplication and the Conjecture of Birch and Swinnerton-Dyer” 3:30-5:30 P.M.	MATH 731
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**CCAM Visiting Scientists Seminar**

Friday April 27	Professor Peter Constantin, University of Chicago “Smoluchowski-Navier-Stokes Dynamics” 3:30-4:30 P.M.	UNIV 103
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You can also view this information on our departmental web page:  
<http://calendar.science.purdue.edu/math/seminars>