

# PURDUE

UNIVERSITY

## Department of Mathematics Seminars and Colloquia

September 7–11, 2009

### Probability Seminar

Tuesday  
September 8 Professor Mateusz Kwasnicki, Wroclaw University of Technology, Poland REC 307  
“Half-Laplacian on the half-line”  
10:30 A.M.

### Operator Algebras Seminar

Tuesday  
September 8 Professor Marius Dadarlat, Purdue University MATH 731  
“A Universal Coefficient Exact Sequence in  $E$ -theory for  $C(X)$ -algebras over  
Zero Dimensional Spaces”  
2:30 P.M.

### Department of Mathematics Colloquium

Tuesday  
September 8 Professor Phillippe Cassou-Nogues, Université Bordeaux1 MATH 175  
“Galois Module Structure in Number Theory and Geometry”  
4:30 P.M.

### Szygies Reading Seminar

Tuesday  
September 8 Professor Manoj Kummini, Purdue University BRNG 1206  
“Properties of Schur Functors”  
3:30 P.M.

### MMP Reading Seminar

Wednesday  
September 9 Professor Kenji Matsuki, Purdue University MATH 731  
“Log Canonical/Terminal Models, continued”  
2:30 P.M.

### Commutative Algebra Seminar

Wednesday  
September 9 Dr. Satoshi Murai, Kyoto University MATH 215  
“Contractions of Simplicial Complexes and the Strong Lefschetz Property”  
4:30 P.M.

### Student Topology Seminar

Thursday  
September 10 Mr. Ben Ward, Purdue University MATH 731  
“The Whitehead and Hurewicz Theorems”  
12:30 P.M.

### Automorphic Forms and Representation Theory

Thursday  
September 10 Professor Suichiro Takeda, Purdue University BRNG 1206  
“Characterization of the Local Langlands Conjecture”  
1:30 P.M.

### Spectral & Scattering Theory Seminar

Thursday  
September 10 Dr. Randy Qian, Purdue University REC 103  
“Diffractive Theorems for the Wave Equation with Inverse Square Potential”  
4:30 P.M.

**Topology Seminar**

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| Thursday<br>September 10 | Professor Peter Albers, Purdue University<br>“Symplectic Topology of Cotangent Bundles and its Connection to Loop Spaces”<br>4:30 P.M. | MATH 211 |
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**Computational & Applied Mathematics Seminar**

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| Friday<br>September 11 | Professor Yuji Kodama, Ohio State University<br>“Totally Nonnegative Grassmann Cells and Soliton Solutions of the KP Equation”<br>3:30 P.M. | REC 227 |
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You can also view this information on our departmental web page:  
<http://calendar.science.purdue.edu/math/seminars>