Department of Mathematics
Seminars and Colloquia
January 21–25, 2013

Special Colloquium

Tuesday January 22
Dr. Matthew Satriano, University of Michigan
“Stacky Resolutions of Singularities”
10:30 A.M.
BRNG B222

Special Function Theory Seminar

Tuesday January 22
Professor Robert L. Devaney, Boston University
“Mandelpinski Necklaces: Structures in the Parameter Plane for Singularly Perturbed Rational Maps”
1:30 P.M.
BRNG B206

Operator Algebras Seminar

Tuesday January 22
Wei Zhang, Purdue University
“Ranks of operators in simple C*-algebras”
2:30 P.M.
MATH 731

Special Geometric Analysis Seminar

Tuesday January 22
Professor Sam Ballas, UT Austin
“Convex Projective Deformations of Non-Compact Manifolds”
3:30 P.M.
MATH 731

Probability Seminar

Tuesday January 22
Professor Ciprian Tudor, Universite Lille 1
“Stein Method and Malliavin Calculus: The Basics and Some New Results”
3:30 P.M.
REC 122

Department of Mathematics Colloquium

Tuesday January 22
Professor Robert L. Devaney, Boston University
“Cantor and Sierpinski, Julia and Fatou: Crazy Topology in Complex Dynamics”
4:30 P.M.
MATH 175

GMIG Seminar

Wednesday January 23
Professor Justin Tittelfitz, University of Washington
“Thermoacoustic Tomography in Elastic Media”
3:30 P.M.
REC 103

WAGS Seminar

Wednesday January 23
Professor Jarek Wlodarczyk, Purdue University
“Normal Flatness and Hironaka’s Resolution”
3:30 P.M.
MATH 731

Special Colloquium

Wednesday January 23
Dr. Dennis Borisov, University of Oxford
“Virtual Fundamental Classes in Algebraic Geometry and Differential Geometry”
4:30 P.M.
REC 114
## Student Colloquium

**Wednesday, January 23**

Mr. Reginald McGee, Purdue University  
“*A Heart To Heart Talk on Electrocardiography*”  
4:30 P.M.  
BRNG 2275

## Topology Seminar

**Thursday, January 24**

Professor John Harper, Purdue University  
“*Coalgebras and TQ-Complete Structured Ring Spectra*”  
11:00 A.M.  
MATH 731

## Automorphic Forms & Representation Theory Seminar

**Thursday, January 24**

Professor Tong Liu, Purdue University  
“The Buzzard-Diamond-Jarvis Conjecture for Unitary Groups”  
1:30 P.M.  
REC 226

## PDE Seminar

**Thursday, January 24**

Professor Russell Schwab, Michigan State University  
“*On Pointwise Estimates for Integro-Differential Equations*”  
3:30 P.M.  
REC 103

## Geometry, Representations and some Physics Seminar

**Friday, January 25**

Artur Jackson, Purdue University  
“*Geometry of Orbifolds*”  
2:30 P.M.  
MATH 215

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