Department of Mathematics  
Seminars and Colloquia  
October 1–5, 2012

Geometry Seminar
Monday  October 1  Professor Joshua Zahl, UCLA  
“On The Wolff Circular Maximal Function”  
2:30 P.M.

Student Commutative Algebra Seminar
Monday  October 1  Gabriel Sosa, Purdue University  
“Dickson’s Lemma, Grobner Basis and the Generalized Division Algorithm, Part 2”  
4:30 P.M.

Function Theory Seminar
Tuesday  October 2  Bernardo da Costa, Purdue University  
“Mean Dimension and Brody Curves”  
2:30 P.M.

Operator Algebras Seminar
Tuesday  October 2  Joan Bosa, University Autonoma Barcelona  
“The Cuntz Semigroup and Dimension Functions on $C_0(X,A)$”  
2:30 P.M.

Probability Seminar
Tuesday  October 2  Jing Wang, Purdue University  
“Curvature-dimension Inequalities for Contact Manifolds and Gradient Estimates for Associated Markov Semigroups”  
3:30 P.M.

Jean E. Rubin Memorial Lecture
Tuesday  October 2  Barbara Lee Keyfitz, Ohio State University  
“The Role of Characteristics in Conservation Laws”  
4:30 P.M.

GMIG Seminar
Wednesday  October 3  Professor Maarten de Hoop, Purdue University  
“TBA”  
3:30 P.M.

Working Algebraic Geometry Seminar
Wednesday  October 3  Professor Domn Arapura, Purdue University  
“Hodge Theory of Families of Semistable Curves”  
3:30 P.M.

Student Colloquium
Wednesday  October 3  Mr. David Imberti, Purdue University  
“Why Buy One When You Can Buy Two for Twice the Price?”  
4:30 P.M.
Student Noncommutative Topology Seminar
Thursday  October 4  Mr. José Carrión, Purdue University  MATH 731
          “Decomposition Rank and Quasidiagonality”
          1:30 P.M.

Topology Seminar
Thursday  October 4  Professor Joseph Lipman, Purdue University  BRNG 2291
          “Reduction of Derived Hochschild Functors for Commutative Rings
          (Spectra?), Part II”
          1:30 P.M.

Algebra and Algebraic Geometry Seminar
Thursday  October 4  Professor S.S. Abhyankar, Purdue University  MATH 211
          “More About Quadratic Transformations”
          4:30 P.M.

Computational and Applied Mathematics Colloquium
Friday  October 5  Professor Anuj Mubayi, Northeastern Illinois University  REC 114
          “TBA”
          3:30 P.M.

Number Theory Seminar
Friday  October 5  Mr. Alex Barrios, Purdue University  MATH 215
          “Elasticity of Factorization in Number Fields”
          4:30 P.M.

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