Department of Mathematics
Seminars and Colloquia
September 7-10, 2010

Commutative Algebra Reading Seminar

Tuesday September 7
Professor Manoj Kummini, Purdue University
“Kodaira Vanishing Theorem, continued”
10:30 A.M.
MATH 731

Student Topology/Geometry Seminar

Tuesday September 7
Ben Ward, Purdue University
“Reading Compact Riemann Surfaces by J. Jost, 1.1-2.2”
12:30 P.M.
MATH 731

Operator Algebras Seminar

Tuesday September 7
Mr. Taylor Hines, Purdue University
“Nontrivially Noetherian C*-algebras Exist”
2:30 P.M.
MATH 731

Seminar on Perverse Sheaves

Tuesday September 7
Professor Donu Arapura, Purdue University
“Triangulated Categories and t-structures”
3:00 P.M.
UNIV 001

Probability Seminar

Tuesday September 7
Professor Cheng Ouyang, Purdue University
“Short-Time Kernel Expansion for Solutions of Stochastic Differential Equations Driven by Fractional Brownian Motions”
3:30 P.M.
REC 122

Scattering Theory Seminar

Wednesday September 8
Professor Patrick McDonald, New College of Florida
“Inverse Problems for Random Walks on Graphs”
1:30 P.M.
REC 103

Working Algebraic Geometry Seminar

Wednesday September 8
Angelica Benito, Universidad Autonoma de Madrid
“On the Elimination of Variables in the Study of Singularities in Positive Characteristic”
3:30 P.M.
MATH 731

Topology Seminar

Thursday September 9
Professor Nathaniel Rounds, Purdue University
“What is the Algebraic Structure of Manifolds?”
11:00 A.M.
MATH 731

Automorphic Forms and Representation Theory Seminar

Thursday September 9
Dr. Minghsuan Kang, Purdue University
“Zeta Functions of Complexes Arising from $PGL_3$”
1:30 P.M.
BRNG 1242
<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker</th>
<th>Topic</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday</td>
<td>Professor Saugata Basu, Purdue University</td>
<td>“Tarski–Seidenberg Principle and the Real Nullstellensatz”</td>
<td>MATH 211</td>
</tr>
<tr>
<td>September 9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Friday</td>
<td>Professor Michael Minion, University of North Carolina</td>
<td>“Iterative Methods for the Temporal Integration of PDEs”</td>
<td>REC 308</td>
</tr>
<tr>
<td>September 10</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

You can also view this information on our departmental web page:

http://calendar.science.purdue.edu/math/seminars