Department of Mathematics
Seminars and Colloquia
September 26-30, 2011

Geometric Analysis Seminar

Monday
September 26
Professor Erik Lundberg, Purdue University
“Polynomial Solutions to Dirichlet’s Problem”
3:30 P.M.

Bridge to Research Seminar

Monday
September 26
Professor Edray Goins, Purdue University
“Ellipses and Pendulums and Groups, Oh My!: From Elliptic Integrals to Elliptic Curves”
4:30 P.M.

Symplectic Geometry Seminar

Tuesday
September 27
Mr. Urs Fuchs, Purdue University
“The Polyfolds of Gromov-Witten Theory: Implicit Function Theorems in the sc-Setting”
3:30 P.M.

Department of Mathematics Colloquium

Tuesday
September 27
Professor Daniel Stroock, MIT
“Some Applications of Gaussian Measures to Analysis”
4:30 P.M.

Function Theory Seminar

Wednesday
September 28
Alex Eremenko, Purdue University
“Some Problems of Function Theory Arising in Control Theory”
2:30 P.M.
NOTE: UNUSUAL DAY, TIME and PLACE

Working Algebraic Geometry Seminar

Wednesday
September 28
Professor Wenbo Niu, Purdue University
“Asymptotic Regularity of Ideal Sheaves”
3:30 P.M.

Commutative Algebra Seminar

Wednesday
September 28
Professor Giulio Caviglia, Purdue University
“TBA”
4:30 P.M.

Automorphic Forms and Representation Theory Seminar

Thursday
September 29
Professor Luis Lomeli, University of Oklahoma
“Automorphic Asai L-functions and Tensor Induction in Positive Characteristic”
1:30 P.M.

Number Theory Seminar

Thursday
September 29
Professor Edray Goins, Purdue University
“The Control Theorem, Part II”
3:30 P.M.
### Algebra and Algebraic Geometry Seminar

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<tr>
<th>Day</th>
<th>Speaker</th>
<th>Topic</th>
<th>Location</th>
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<tbody>
<tr>
<td>Thursday</td>
<td>Professor Avinash Sathaye</td>
<td>“Multiplicity Sequences for QDT, cont.”</td>
<td>MATH 211</td>
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<td>September 29</td>
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### Special Colloquium—2011 Outstanding Mathematics Alumna

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<tbody>
<tr>
<td>Thursday</td>
<td>Professor Loredana Lanzani</td>
<td>“The Cauchy Integral in $\mathbb{C}^n$”</td>
<td>REC 114</td>
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### $A_\infty$ Seminar

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<tr>
<td>Friday</td>
<td>Mr. Urs Fuchs</td>
<td>“Universal (Co)algebras”</td>
<td>MATH 211</td>
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You can also view this information on our departmental web page:

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