# Department of Mathematics
## Seminars and Colloquia
### September 17–21, 2012

### Geometric Seminar
- **Monday, September 17**
  - Professor Harold Donnelly, Purdue University
  - “Spectral Gap for Convex Planar Domains”
  - 2:30 P.M.

### Bridge to Research Seminar
- **Monday, September 17**
  - Professor Dr. Jonathon Peterson, Purdue University
  - “An Introduction to Random Walks in Random Environments”
  - 4:30 P.M.

### Operator Algebras Seminar
- **Tuesday, September 18**
  - Professor Ilan Hirshberg, Ben Gurion University of the Negev, Israel
  - “Tracially Z-absorbing C*-algebras”
  - 2:30 P.M.

### Probability Seminar
- **Tuesday, September 18**
  - Mohan Gopaladesikan, Purdue University
  - “Building Random Trees from Blocks”
  - 3:30 P.M.

### GMIG Seminar
- **Wednesday, September 19**
  - Brad Abell, Department of Physics, Purdue University
  - “TBA”
  - 3:30 P.M.

### WAGS Seminar
- **Wednesday, September 19**
  - Ray Lai, Purdue University
  - “Varieties Fibered by Good Minimal Models, part III”
  - 3:30 P.M.

### Automorphic Forms Seminar
- **Thursday, September 20**
  - Adrian Vasiu, Binghamton University
  - “Subtle Invariants and Traverso’s Conjectures for p-divisible Groups”
  - 1:30 P.M.

### Student Noncommutative Topology Seminar
- **Thursday, September 20**
  - Mr. Andrew Schneider, Purdue University
  - “Lead-up to Voiculescu’s Theorem Pt. III: Lifting Quasicentral Approximate Units”
  - 1:30 P.M.

### PDE Seminar
- **Thursday, September 20**
  - Professor Turkay Yolcu, Purdue University
  - “Estimates on the Sums of Eigenvalues of Various Operators on a Bounded Domain”
  - 3:30 P.M.
## Algebra and Algebraic Geometry

**Thursday, September 20**
- Professor S.S. Abhyankar, Purdue University
- "Introduction to Quadratic Transformations and Blow-ups"
- 4:30 P.M.

**Basic Notions Seminar**

**Friday, September 21**
- Professor Edray Goins, Purdue University
- "Indiana Pols Forced to Eat Humble Pi: The Curious History of an Irrational Number"
- 3:30 P.M.

**Number Theory Seminar**

**Friday, September 21**
- Alejandra Alvarado, Purdue University
- "Belyi's Theorem"
- 4:30 P.M.

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

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