

Lehigh University
Department of Mathematics

Colloquium

Fall 2012 Term plan

The colloquium takes place on Wednesdays at 4.10 pm in Neville 002 (unless specified differently below).

Sep. 5	RB 241	Don Davis. Lehigh University <i>Sums of reciprocals of binomial coefficients for p-adic integers.</i>
Sep. 12	NV 002	Arup Bose Indian Statistical Institute <i>Non-random and random Toeplitz matrices.</i>
Sep. 19	NV 002	Ping-Shi Wu Lehigh University <i>More on discriminant analysis of multivariate data - functional data analytical approach.</i>
Sep. 26	NV 002	Clément Hongler Columbia University <i>Conformal Invariance of the Ising model.</i>
Oct. 3	NV 002	Matthew Hyatt Lehigh University <i>The Classification of 231-avoiding permutations by descents and maximum drop.</i>
Oct. 10		No colloquium (moved to Friday)
Oct. 12 (Friday)	Sinclair Auditorium	Martin Nowak Harvard University <i>Evolution of cooperation.</i> Note: This is a joint colloquium with Biological Sciences.
Oct. 17	NV 002	Rob Neel Lehigh University <i>Heat kernel asymptotics at the cut locus.</i>

- Oct. 24** **NV 002** **Neil Sloane**
The OIES Foundation
The On-Line Encyclopedia of Integer Sequences.
Note: This is an undergraduate friendly talk.
- Oct. 31** **STEPS 101** **Eugene Perevalov**
Lehigh University (Industrial and Systems Engineering)
The full information chain: missing links.

(CANCELLED due to the storm Sandy: will be re-scheduled next term.)

- Nov. 7** **STEPS 101** **Jian V. Song**
Rutgers University
Feynman-Kac formula for SPDE driven by fractional Brownian motion.
- Nov. 14** **NV 002** **Mahir Can**
Tulane University (visiting Yale University)
Unipotent Invariants Complete Quadrics.
- Nov. 21 No colloquium (Thanksgiving)
- Nov. 28** **NV 002** **Mu-Tao Wang**
Columbia University
A Minkowski inequality and the Penrose inequality.
- Dec. 5** **NV 002** **Luis Serrano**
University of Québec at Montréal
Combinatorial aspects of the affine Grassmannian, symmetric functions, and dual graded graphs

For the organizers : D. Conus