

**Lehigh University**  
**Department of Mathematics**

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**Colloquium**

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**Spring 2013 Term plan**

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

<b>Jan. 16</b>	<b>NV 002</b>	<b>Prof. Pierre Calka</b> University of Rouen (France) <i>Asymptotic properties for convex hulls of random point sets.</i>
<b>Jan. 23</b>	<b>NV 002</b>	<b>Prof. Arnulf Jentzen</b> ETH Zurich (Switzerland) <i>Loss of regularity for Kolmogorov equations.</i>
<b>Jan. 30</b>	<b>NV 002</b>	<b>Prof. Eugene Perevalov</b> Lehigh University (ISE) <i>The full information chain: missing links.</i>
<b>Feb. 6</b>	<b>NV 002</b>	<b>Prof. Daguang Chen</b> Tsinghua University (visiting Lehigh) <i>Inequalities for eigenvalues of the weighted Hodge Laplacian.</i>
<b>Feb. 13</b>	<b>NV 002</b>	<b>Prof. Steve Weintraub</b> Lehigh University <i>Gauss's proof of the irreducibility of the <math>p</math>-th cyclotomic polynomial.</i>
<b>Feb. 20</b>	<b>NV 002</b>	<b>Prof. Alexander Drewitz</b> Columbia University <i>A new rearrangement inequality around infinity and some applications in probability theory.</i>
<b>Feb. 27</b>	No colloquium (see <i>Special Events</i> below).	
<b>Feb. 28</b> <i>4 pm</i> <i>Thursday</i>	<b>Sinclair Auditorium</b>	<b>Prof. Richard Tapia</b> Rice University <i>Crisis in higher education: the need for new leadership.</i> Note: This is a University Special Event.

- Mar. 1**      **LL 270**      **Prof. Richard Tapia**  
 2.30 pm  
 Friday  
 Rice University  
*The isoperimetric problem revisited: extracting a short proof of sufficiency from Euler's 1744 proof of necessity.*  
 Note: This is a University Special Event.
- Mar. 6**      **NV 002**      **Dr. Vincent Coll**  
 Lehigh University  
*Frobenius seaweed Lie algebras.*
- Mar. 13      No colloquium (Spring Break)
- Mar. 20      No colloquium (Pitcher Lectures)
- Mar. 27**      **NV 002**      **Prof. Kiranmoy Das**  
 Temple University  
*A semiparametric approach to simultaneous covariance estimation for bivariate sparse longitudinal data.*
- Apr. 3**      **NV 002**      **Prof. Michael Sullivan**  
 University of Massachusetts  
*Using symplectic geometry to study knots in 3-space.*
- Apr. 10**      **NV 002**      **Prof. Jerry King**  
 Lehigh University  
*Mandelbrojt's Singular Point*
- Apr. 17**      **NV 002**      **Prof. Nayantara Bhatnagar**  
 University of Delaware  
*Lengths of Monotone Subsequences in Random Mallows Permutations*
- Apr. 24**      **NV 002**      **Prof. Harry Crane**  
 Rutgers University (Statistics Dept.)  
*Random set partitions.*
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For the organizers : D. Conus