The **Department of Mathematical Sciences** presents a colloquium with

Professor Persi Diaconis

Mary V. Sunseri Professor of Statistics and Mathematics,
Stanford University
Member, National Academy of Sciences

Friday, August 31, 2012
4 – 5 pm
Room 819 Swift Hall

On Adding a List of Numbers (and Other Determinantal Point Process)

When a column of digits is added in the usual way, carries accrue along the way. Investigating the distribution of carries (about how many? are they correlated?) leads to all kinds of mathematics: random matrix theory; group cohomology; and Koszul algebras. This talk, based on joint work with Alexei Borodin and Jason Fulman, will be a friendly introduction to these topics.

Refreshments will be served at 3:00 pm
in the Faculty & Graduate Student Lounge
Room 4118 French Hall

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