



# Announcing

**A Seminar Presentation  
October 26, 2012 at 2:00 pm  
Kaplan 203**

**at The University of New Haven**

**Speaker: Dr. Ramesh Sharma**

Department of Mathematics  
The University of New Haven

**Title: Unsocial and Mesmerizing Matrices**

**Abstract:**

This talk will address a family of matrices which are extremely unsocial (solitary), and mesmerizing (bewitching) matrices [comparable to the charmed solitary water waves discovered by Victorian Engineer, John Scott Russell in a Scottish channel]. This family is self-contained under matrix addition and multiplication, and has its own identity (not the identity matrix). We will also address the eigenvalues and eigenvectors of these matrices, and conclude with a mystic and unexpected relationship with the arithmetic mean-geometric mean equality for 3 by 3 matrices.

Pre-requisite: Linear Algebra. No social skills (except the ability to have fun) are required.

**Further Information**

Refreshments are served from 1:40 pm until 2:00 pm in Kaplan 203.