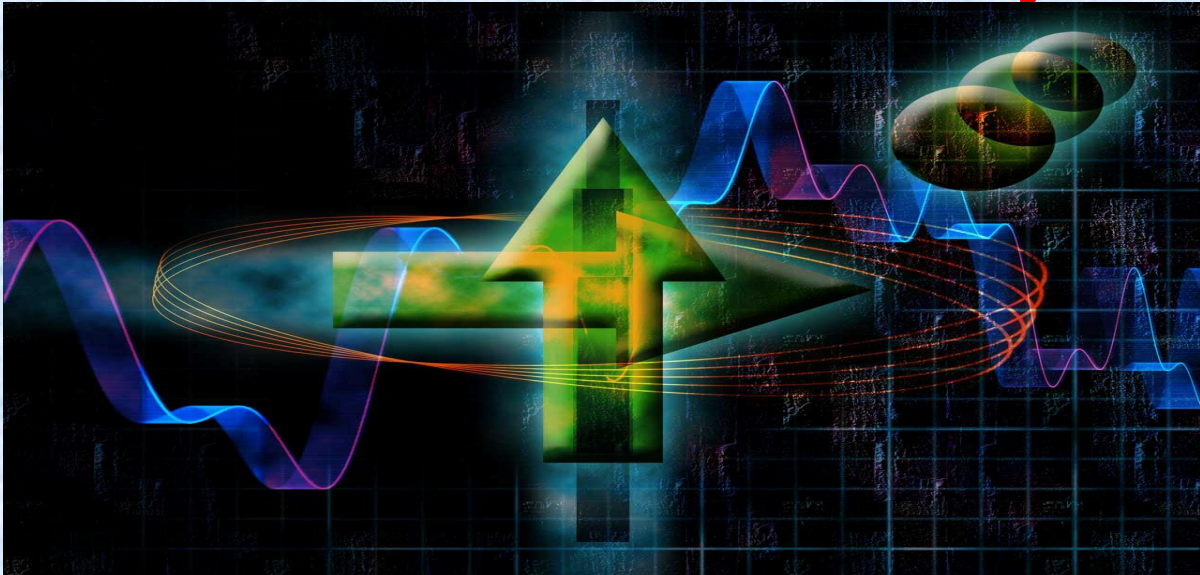


The Reese T. Prosser
Mathematics Lecture Series

Presents

**FROM THE COSMOS TO THE QUANTUM:
How Mathematical Theories of Symmetry
Grew From and Gave Back To Physics**



by
Stephanie Singer

**Monday
November 8, 2010
7:00PM
008 Kemeny**

Abstract: Mathematics and physics have a long-standing and complicated sibling relationship. This story tells the story of one branch of mathematics that has its roots in the physical Kepler Problem (the description of motion of the planets), grew up within mathematics, and bore fruit for physicists in the 20th-century search for elementary particles.



Stephanie Singer is Managing Partner of Wise Acre Real Estate and Campaign Scientific, and a Data Strategist with Athenian Properties in Philadelphia, PA.

The Reese Prosser Memorial Lectures were inaugurated in 2002 by the Department of Mathematics at Dartmouth College to honor their long time colleague Reese Prosser. This lecture series, endowed by the late Nancy Prosser and her family, is intended to introduce the general public to mathematical research related to their daily lives.

Free and open to the public.