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**Speaker:** Dhagash Mehta  
ACMS - University of Notre Dame

Thursday, April 9, 2015  
2:00 PM  
125 Hayes-Healy Hall

**Title:** Potential energy landscapes and computational algebraic geometry methods

**Abstract:**

Finding the stationary points of a potential energy function arising from scientific and engineering phenomena is an important problem. In this talk, I will explain how computational algebraic geometry methods can be of great help here with a mention of various examples. I will also mention my recent results on statistics of stationary points for random potentials using the computational methods.