

*Department of Mathematics,  
University of California, San Diego*

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# **Food For Thought Seminar**

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UCSD

# **Millennium Problem Series: Poincare Conjecture**

### **Abstract:**

If an  $n$ -manifold has the same homotopy type as the  $n$ -sphere, is it homeomorphic to the  $n$ -sphere? The Poincare Conjecture and its generalizations tell us yes! Come learn about a Millennium Problem that has been solved. We will discuss what the conjecture is actually saying, its rich history, and the idea behind Perelman's proof.

## **Thursday, February 11, 2010**

### **11:00 AM**

### **AP&M 7421**

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