

**David Arnold** *presents*

# ***Why $\pi$ ?***

As a student of mathematics, one encounters Pi in a variety of surprising places that seem to have nothing to do with circles. We will explore three of these situations: The Pin Drop Problem, Euler's Identity and The Basel Problem.

Along the way, we will use some tools from Calculus and Pre-Calculus, including integration, infinite series, Taylor series, probability and imaginary numbers. If you've seen these concepts before, you're ready to enjoy this talk!

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**Tuesday, March 18, 2014**

**4:00 PM**

**NSF 1205**