

# COLLOQUIUM

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*University of Notre Dame*  
*Department of Mathematics*

Robin Hartshorne

University of California - Berkeley

Will give a lecture entitled  
**A gentle introduction to deformation theory in algebraic geometry**

On

Wednesday, January 19, 2011

at 4:00 PM in Room 117 Hayes-Healy Hall

**Abstract:**

I will explain how the use of nilpotent elements in rings allows one to pass painlessly from the purely local to the global in variations of families of varieties.

Reference: Deformation Theory, Springer GTM 257, 2010