

# B I-CO MATHEMATICS COLLOQUIUM

Professor Janet Talvacchia  
Swarthmore College

*“Generalized Geometry”*

**Monday, April 21, 2008**

Talk at 4:15 – Park 328  
Tea at 3:45 – Park 355, Math Lounge

**Abstract:** This talk will introduce the concept of a generalized geometry defined by Hitchin in 2005. The beginning of the talk will discuss this development in the context of the evolution of notions of geometry and space since Euclid's time and should be accessible to undergraduates. The rest of the talk will focus on defining familiar geometries such as complex, symplectic, or contact geometry as special cases of this more general framework. At the end, I'll touch briefly on some results I've obtained regarding generalized contact structures.

BRYN MAWR COLLEGE