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**Speaker:** Alexander Diaz Lopez  
University of Notre Dame

Tuesday, September 16, 2014  
12:00 PM  
258 Hurley Hall

**Title:** Introduction to Kac-Moody Algebras III

**Abstract:**

This is the third of a sequence of talks in which I will discuss generalized Cartan matrices (gcm), realizations of gcm, Kac-Moody algebras and some basic properties about them. I will (loosely) follow Kac's *Infinite Dimensional Lie Algebras*, Chapter 1. Matthew Dyer will then begin a discussion of the invariant bilinear form in the symmetrizable case.