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**Speaker:** Omar Leon-Sanchez  
University of Waterloo

Thursday, November 10, 2011  
1:00 PM  
125 Hayes-Healy Hall

**Title:** Relative D-groups in partial differential Galois theory

**Abstract:**

The talk will be about differential-algebraic prolongations and how to use them to axiomatize partial differentially closed fields.

Also, after presenting generalized strongly normal extensions in several derivations, we will see that each of such extensions comes from a logarithmic differential equation on a group with an integrable section of its prolongation.