# Distinguished Lecture Series
## Department of Mathematics & Statistics
## University of Massachusetts - Amherst

# New p-adic Methods In Number Theory

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**Abstract:**

Ever since Kummer's work on the arithmetic of cyclotomic integers, p-adic methods have been a crucial tool in number theory. In recent years, a new perspective on the application of these methods has emerged: the so-called p-adic Langlands program.

In this talk I will give an introduction to some of the ideas and results of this program, with an emphasis on aspects of the program that are accessible to non-specialists, but which give a sense of the interplay between analysis and algebra which is characteristic of p-adic techniques.

Thursday, November 13, 2014  4:00 - 5:00 pm
1634 Lederle Graduate Research Tower
University of Massachusetts - Amherst
(Refreshments served at 3:30 PM)