

# Philadelphia Area Number Theory Seminar

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Modular forms, congruences, and applications

**Abstract:** One approach to studying the  $p$ -adic behavior of  $L$ -functions relies on construction of certain  $p$ -adic families of modular forms. I will introduce a construction of such  $p$ -adic families. As part of the talk, I will explain how to  $p$ -adically interpolate certain values of both holomorphic and non-holomorphic Eisenstein series. I will also mention some applications to number theory and beyond.

Wednesday, April 1, 2015

2:40–4:00PM

Bryn Mawr College  
Department of Mathematics  
Park Science Center **328**

Tea and refreshments at 2:20PM in Park 355