

## Joint IAS/PU Number Theory Seminar

Submitted by admin on Thu, 01/24/2013 - 18:01

Compactifications of PEL-Type Shimura Varieties and Kuga Families with Ordinary Loci  
Kai-Wen Lan

University of Minnesota

**Date & Time:** Thu, 02/21/2013 - 16:30 - 17:30

**Location:** S-101

I will report on the construction of  $p$ -integral models of various algebraic compactifications of PEL-type Shimura varieties and Kuga families, allowing ramification (including deep levels) at  $p$ , with good behaviors over the loci where certain (multiplicative) ordinary level structures are defined. (We know almost nothing about the non-ordinary loci when  $p$  is ramified, but this theory is still sufficient for at least one important application.) This is a somewhat notorious subject, but I will try to begin with motivations and qualitative descriptions that might (it is hoped) make things easier.

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Dorothea Phares

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Thu, 01/24/2013 - 21:12

Thu, 01/01/1970 (All day)

terms:

- [School of Mathematics](#)