

Automorphic Forms: Arithmetic and Geometry**January 3 - February 28, 2012****Organized by: J.W. Cogdell, C. Moeglin, G. Muic, J. Schwermer****Workshop: February 13 - 24****Week 1: February 13 - 17**

- **Monday, February 13**
10:00 – 11:00: David Soudry
On CAP-representations of orthogonal groups
11:00 – 11:30: coffee break
11:30 – 12:30: Michael Rapoport
On the Arithmetic Fundamental Lemma of Wei Zhang
- **Tuesday, February 14**
10:00 – 11:00: Moshe Adrian
The local Langlands correspondence : from real to p -adic groups
11:00 – 11:30: coffee break
11:30 – 12:30: Ulrich Terstiege
Computation of Arithmetic Intersection Numbers for the Arithmetic Fundamental Lemma
- **Wednesday, February 15**
10:00 – 11:00: Susanne Schimpf
Geometric construction of cohomology classes for cocompact arithmetically defined subgroups of $SL_n(\mathbb{C})$
11:00 – 11:30: coffee break
11:30 – 12:30: Jing Feng Lau
Reducibility of certain induced representations of E_6 and E_7
- **Thursday, February 16**
10:00 – 11:00: Henry Kim
Logarithmic derivatives of Artin L -functions at $s = 1$
11:00 – 11:30: coffee
11:30 – 12:30: Haruzo Hida
Finiteness of potentially p -ordinary Q -simple abelian varieties of $GL(2)$ -type
- **Friday, February 17**
10:00 – 11:00: Marcela Hanzer
An explicit construction of a certain class of automorphic representations with given Arthur parameter
11:00 – 11:30: coffee break
11:30 – 12:30: Wee Teck Gan
Theta correspondence and the local Gross-Prasad conjecture

All lectures take place in the ESI Schrödinger Lecture Hall