

Automorphic Forms: Arithmetic and Geometry

January 3 - February 28, 2012

Organized by: J.W. Cogdell, C. Moeglin, G. Muic, J. Schwermer

Workshop: January 9 - 20

Week 1: January 9 - 13

- **Tuesday, January 10**

10:00 – 11:00: Tony Scholl

De Rham realizations of modular forms motives

11:00 – 11:30: coffee break

11:30 – 12:30: Dihua Jiang

Construction of automorphic forms for classical groups

12:30 – 14:30: lunch break

14:30 – 15:30: Tonghai Yang

*Period integrals of automorphic Green functions and derivatives of Rankin-Selberg L-functions
(after Luanli Zhao)*

15:30 – 16:00 break

16:00 – 17:00: Jim Arthur

Endoscopic Classification of Representations: Statement of Theorems

- **Thursday, January 12**

10:00 – 11:00: Chufeng Nien

Twisted Gamma factor for cuspidal representations of general linear groups over a finite field

11:00 – 11:30: coffee

11:30 – 12:30: Freydoon Shahidi

Local Langlands conjecture for $GL(n)$ and the symmetric and exterior square ε -factors

12:30 – 14:30: lunch break

14:30 – 15:30: Jean-Pierre Labesse

The Friday Morning Seminar on the Trace Formula revisited

15:30 – 16:00 break

16:00 – 17:00: Jim Arthur

Endoscopic Classification of Representations: On Applications and Proofs

All lectures take place in the ESI Schrödinger Lecture Hall