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"Advances in the Theory of Automorphic Forms and their L-Functions"
Workshop, October 16 - 25, 2013

organized by
Dihua Jiang, Peter Sarnak, Joachim Schwermer, Freydoon Shahidi

Schedule, week 2: October 21 - 25, 2013

- **Monday, October 21, 2013**

  09:15 **Opening & Registration**

  09:30 – 10:30 **Peter Sarnak**
  Automorphic forms and L-functions after Cogdell and Piatetski-Shapiro

  10:30 – 11:00 *coffee break*

  11:00 – 12:00 **David Soudry**
  On local descent to unitary groups

  12:00 – 14:00 *lunch break*

  14:00 – 15:00 **Roman Holowinsky**
  Hybrid subconvexity for convolutions of the symmetric square

  15:30 – 16:30 **Dihua Jiang**
  Fourier coefficients of automorphic forms and related problems

- **Tuesday, October 22, 2013**

  09:30 – 10:30 **Freydoon Shahidi**
  Arthur parameters and L-functions

  10:30 – 11:00 *coffee break*

  11:00 – 12:00 **Tony Scholl**
  Plectic cohomology of some Shimura varieties and special values of L-functions

  12:00 – 14:00 *lunch break*

  14:00 – 15:00 **Daniel File**
  Test vectors and central values for $GL(2)$

  15:30 – 16:30 **Joachim Schwermer**
  Some remarks on cohomology classes for arithmetic groups represented by residues of Eisenstein series

- **Wednesday, October 23, 2013**

  09:30 – 10:30 **Peter Scholze**
  On torsion in the cohomology of locally symmetric varieties

  10:30 – 11:00 *coffee break*

  11:00 – 12:00 **Michael Harris**
  Eisenstein cohomology and construction of Galois representations"

  12:00 – 14:00 *lunch break*

  14:00 – 15:00 **Julee Kim**
  On the characters of unipotent representations of a semisimple p-adic group

  15:30 – 16:30 **Günter Harder**
  The arithmetic meaning of the second term in the constant term of a rank one Eisenstein series

- **Thursday, October 24, 2013**

  09:30 – 10:30 **Gaetan Chenevier**
  On level one algebraic cusp forms of classical groups

  10:30 – 11:00 *coffee break*

  11:00 – 12:00 **Lei Zhang**
  Tensor Product L-functions of Quasi-split Classical Groups.

  12:00 – 14:00 *lunch break*

  14:00 – 15:00 **Simon Marshall**
  Endoscopy and cohomology growth on $U(3)$

  15:30 – 16:30 **Chung Pang Mok**
  Order of poles of certain Langlands-Shahidi L-functions and endoscopy classification

- **Friday, October 25, 2013**

  09:30 – 10:30 **Marcela Hanzer**
  Degenerate Eisenstein series on $GL_{m+n}(\mathbb{A}_{\mathbb{Q}})$ and applications to $GL_{m+n}(\mathbb{R})$

  10:30 – 11:00 *coffee break*

  11:00 – 12:00 **Henry Kim**
  Artin representations for GSp_4 attached to real analytic Siegel cusp forms of weight $(2,1)$

  12:00 – 14:00 *lunch break*

  14:00 – 15:00 **Jun Yu**
  ℓ-independence question of algebraic monodromy groups

  15:30 – 16:30 **Wee Teck Gan**
  Gross - Prasad conjecture and theta correspondence

All lectures take place in the ESI Boltzmann Lecture Hall