



מכון ויצמן למדע
WEIZMANN INSTITUTE OF SCIENCE



Program of the Israel Science Foundation Workshop on

Automorphic Forms and L-functions

May 15-19, 2006, Rehovot and Tel-Aviv

MONDAY, May 15 (Weizmann Institute, Schmidt Lecture Hall)

09:00 – 10:00 Registration of participants

10:00 – 12:30 Morning session on the trace formula
James Arthur (University of Toronto)

12:30 LUNCH

14:30 – 15:30 **Marie-France Vigneras** (Institut Mathematiques de Jussieu)
Irreducibility and cuspidality of the Steinberg representation
modulo p

16:00 – 17:00 Prof. Chaim Leib Pakeris Memorial Lecture by
Peter Sarnak (Princeton University)
Equidistribution and Primes
(Dolfi and Lola Ebner Auditorium)

TUESDAY, May 16 (Tel-Aviv University, Melamed Auditorium)

08:30 – 9:30 Bus from San-Martin to Tel-Aviv University

10:00 – 12:30 Morning session on L-functions
Daniel Bump (Stanford University)
James Cogdell (Ohio State University)

12:30 LUNCH

14:00 – 15:00 **Akshay Venkatesh** (Courant Institute)
A spherical simple trace formula, and Weyl's law for cusp forms

15:30 – 16:30 **Wee Teck Gan** (University of California, San Diego)
The regularized Siegel-Weil formula for exceptional groups

17:00 – 18:00 **Jiu-Kang Yu** (Purdue University)
Construction of tame types

WEDNESDAY, May 17 (Weizmann Institute, Schmidt Lecture Hall)

10:00 – 12:30 Morning session on theta correspondence
Roger Howe (Yale University)
Stephen Kudla (University of Maryland)

13:00 – 22:00 A tour and dinner in Jerusalem (bus leaves from San-Martin)

THURSDAY, May 18 (Weizmann Institute, Schmidt Lecture Hall)

10:00 – 11:00 **Birgit Speh** (Cornell University)
The restriction of cohomologically induced representations to subgroups

11:30 – 12:30 **Guy Henniart** (University of Paris-Sud)
Explicit local Langlands correspondence for $GL(N)$: the tame case

12:30 LUNCH

14:30 – 17:00 Afternoon session on arithmetic applications
Peter Sarnak (Princeton University)
Freydoon Shahidi (Purdue University)

18:30 – 22:00 Banquet at Weizmann House

FRIDAY, May 19 (Weizmann Institute, Schmidt Lecture Hall)

10:00 – 11:00 **Laurent Clozel** (University of Paris-Sud)
Equidistribution of adelic tori and of CM-points for Shimura varieties

11:30 – 12:30 **Dinakar Ramakrishnan** (Caltech, Pasadena)
Rational cusp forms and Calabi-Yau varieties

12:30 LUNCH

14:00 – 15:00 **Marko Tadic** (University of Zagreb)
On irreducible unitary representations of classical p-adic groups

15:15 – 16:15 **Werner Muller** (University of Bonn)
The trace formula and the cuspidal spectrum of $GL(n)$

SATURDAY, May 20

07:00 – 20:00 A tour in Massada and Dead Sea
(bus leaves from San-Martin)