

## Workshop on Representation Theory and Analysis on Locally Symmetric Spaces

### Agenda

Date: Monday, March 5

Topic: Representations of  $p$ -adic groups

Speaker: Jessica Fintzen, University of Michigan; Member, School of Mathematics

Time/Room: 10:00am - 11:00am/Simonyi Hall 101

Date: Monday, March 5

Topic: Supercuspidal L-packets

Speaker: Tasho Kaletha, University of Michigan

Time/Room: 11:30am - 12:30pm/Simonyi Hall 101

Date: Monday, March 5

Topic: Wave-front set of some representations of unipotent reduction of the group  $SO(2n+1)$

Speaker: Jean-Loup Waldspurger, University of Jussieu

Time/Room: 2:30pm - 3:30pm/Simonyi Hall 101

Date: Tuesday, March 6

Topic: About the conjecture of Sakellaridis and Venkatesh on the discrete series for archimedean symmetric spaces

Speaker: Colette Moeglin, IMJ PRG

Time/Room: 10:00am - 11:00am/Simonyi Hall 101

Date: Tuesday, March 6

Topic: The Plancherel formula for  $L^2(\mathrm{GL}_n(\mathbb{F}) \backslash \mathrm{GL}_n(\mathbb{E}))$  and applications to the Ichino-Ikeda and formal degree conjectures for unitary groups

Speaker: Raphael Beuzart-Plessis, CNRS

Time/Room: 11:30am - 12:30pm/Simonyi Hall 101

Date: Tuesday, March 6

Topic: Restriction problem for non-generic representation of Arthur type

Speaker: Wee Teck Gan, National University of Singapore

Time/Room: 2:30pm - 3:30pm/Simonyi Hall 101

Date: Tuesday, March 6

Topic: Relative character asymptotics and applications

Speaker: Paul Nelson, ETH Zurich

Time/Room: 4:00pm - 5:00pm/Simonyi Hall 101

Date: Wednesday, March 7

Topic: Thin part of arithmetic locally symmetric spaces

Speaker: Mikolaj Fraczyk, Renyi Institute

Time/Room: 10:00am - 11:00am/Simonyi Hall 101

Date: Wednesday, March 7  
Topic: Analytic torsion for congruence quotients of  $SL(n,R)/SO(n)$   
Speaker: Jasmin Matz, Hebrew University  
Time/Room: 11:30am - 12:30pm/Simonyi Hall 101

Date: Wednesday, March 7  
Topic: Endoscopy and cohomology growth on unitary groups  
Speaker: Simon Marshall, University of Wisconsin; Member, School of Mathematics  
Time/Room: 2:30pm - 3:30pm/Simonyi Hall 101

Date: Thursday, March 8  
Topic: Special cycles on simple Shimura varieties  
Speaker: Wei Zhang, Massachusetts Institute of Technology  
Time/Room: 10:00am - 11:00am/Simonyi Hall 101

Date: Thursday, March 8  
Topic: Admissible height pairings of algebraic cycles  
Speaker: Shouwu Zhang, Princeton University  
Time/Room: 11:30am - 12:30pm/Simonyi Hall 101

Date: Thursday, March 8  
Topic: Arithmetic theta series  
Speaker: Stephan Kudla, University of Toronto  
Time/Room: 2:30pm - 3:30pm/Simonyi Hall 101

Date: Thursday, March 8  
Topic: Euler classes transgressions and Eistenstein cohomology of  $GL(N)$   
Speaker: Nicolas Bergeron, IMJ PRG  
Time/Room: 4:00pm - 5:00pm/Simonyi Hall 101

Date: Friday, March 9  
Topic: The present state of the Jacquet-Rallis trace formula  
Speaker: Pierre-Henri Chaudouard, IMJ PRG  
Time/Room: 10:00am - 11:00am/Simonyi Hall 101

Date: Friday, March 9  
Topic: Ax-Schanuel for Shimura Varieties  
Speaker: Jacob Tsimerman, University of Toronto  
Time/Room: 11:30am - 12:30pm/Simonyi Hall 101

Date: Friday, March 9  
Topic: Endoscopy and cohomology growth on unitary groups  
Speaker: Simon Marshall, University of Wisconsin; Member, School of Mathematics  
Time/Room: 1:30pm - 2:30pm/Simonyi Hall 101

Date: Friday, March 9  
Topic: Nodal domains for Maass forms  
Speaker: Peter Sarnak, Professor, School of Mathematics  
Time/Room: 2:30 pm - 3:30pm/Simonyi Hall 101