

**D-modules, Geometric Representation Theory,
and Arithmetic Applications**
4-8 December 2017
University of Oxford
L2

Monday, 4 December

- 9:00 Registration
9:30-10:30 Peter Schneider, *On the structure of derived Hecke algebras*
10:30-11:00 Tea/coffee
11:00-12:00 Dmitry Gourevitch, *Harmonic analyses on spherical varieties – multiplicity bounds*
12:00-14:30 Lunch
14:30-15:30 Dan Ciubotaru, *Adams-Barbasch-Vogan classification*
15:30-16:30 Poster Session and Tea/coffee
16:30-17:30 Bernard Le Stum, *An introduction to rigid cohomology*

Tuesday, 5 December

- 9:30-10:30 Ian Grojnowski,
10:30-11:00 Tea/coffee
11:00-12:00 Tomoyuki Abe, *Arithmetic D-modules and its applications*
12:00-14:30 Lunch
14:30-15:30 Dragan Milicic, *D-modules and Harish-Chandra modules for real groups I*
15:30-16:00 Tea/coffee
16:00-17:00 Richard Crew, *Arithmetic D-modules on adic formal schemes*
17:00-18:00 Discussion Session

Wednesday, 6 December

- 9:30-10:30 Bernard Le Stum, *p-adic confluence and twisted operators*
10:30-11:00 Tea/coffee
11:00-12:00 Ruochuan Liu, *p-adic Riemann-Hilbert correspondence, de Rham comparison and periods on Shimura varieties I*
12:00 Lunch

Thursday, 7 December

- 9:30-10:30 Adriano Marmora, *Product formula for p-adic epsilon factors*
10:30-11:00 Tea/coffee
11:00-12:00 Christine Huyghe, *Coadmissible D-modules over Zariski-Riemann spaces*
12:00-14:30 Lunch
14:30-15:30 Dragan Milicic, *D-modules and Harish-Chandra modules for real groups II*
15:30-16:00 Tea/coffee
16:00-17:00 Andrea Pulita, *Index and Riemann Hurwitz formulas*

Friday, 8 December

- 9:30-10:30 Ruochuan Liu, *p-adic Riemann-Hilbert correspondence, de Rham comparison and periods on Shimura varieties II*
- 10:30-11:00 Tea/coffee
- 11:00-12:00 Francesco Baldassarri, *Closed categories of modules over generalized Huber rings*
- 12:00 Lunch