

Explicit p -Adic Methods in Number Theory
Sage Days 71
March 20-24, 2016
University of Oxford

Schedule

Sunday, 20 March

- 9:30-10:00 Registration
- 10:00-11:00 Alyson Deines, *Sage Number Theory and Development*
- 11:00-11:30 Tea/coffee
- 11:30-12:00 Fernando Rodriguez Villegas, *Zeta functions I*
- 12:15-12:45 Immanuel Halupczok, *Motivic integration and orbital integrals I*
- 12:45-14:00 Lunch
- 14:00-14:30 Jeanine Van Order, *Iwasawa theory I*
- 14:45-15:15 David Roe, *Overconvergent modular symbols I*
- 15:15-15:45 Tea/coffee
- 15:45-16:15 Tristan Vaccon, *p -adic Precision I*
- 16:30-17:00 Victor Flynn, *Variations on Chabauty-Coleman I*
- 17:00-18:30 Coding sprint organisation
- 18:30-20:00 Dinner break
- 20:00-20:15 Francesca Bianchi, *Computation of Hida families of ordinary cusp forms*
- 20:20-20:35 Maurizio Monge, *A family of Eisenstein polynomials generating totally ramified extensions, identification of extensions and construction of class fields*
- 20:40-20:55 Edgar Costa, *Zeta functions of quartic K3 surfaces over F_3*

Monday, 21 March

- Early morning: coding sprints for early risers
- 10:00-11:00 Jan Tuitman, *A survey of p -adic point counting*
- 11:00-11:30 Tea/coffee
- 11:30-12:30 Raf Cluckers, *Recent developments and applications of uniform p -adic integration*
- 12:30-14:00 Lunch
- 14:00-17:30 Coding sprints
- 17:30-18:30 Status reports
- 18:30-20:00 Dinner break
- 20:00-late Coding sprints

Tuesday, 22 March

- Early morning: coding sprints for early risers
- 10:00-11:00 Chris Wuthrich, *Iwasawa theory II*
- 11:00-11:30 Tea/coffee
- 11:30-12:30 Ander Steele, *Overconvergent modular symbols II*
- 12:30-14:00 Lunch
- 14:00-17:30 Coding sprints
- 17:30-18:30 Status reports
- 18:30-20:00 Dinner break
- 20:00-late Coding sprints

Wednesday, 23 March

Early morning: coding sprints for early risers

10:00-11:00 *Jennifer Balakrishnan, Variations on Chabauty-Coleman II*

11:00-11:30 Tea/coffee

11:30-12:30 Xavier Caruso, *p-adic Floats*

12:30-14:00 Lunch

14:00-17:30 Coding sprints

17:30-18:30 Status reports

19:00-21:00 Workshop dinner, Balliol College

21:00-late Coding sprints

Thursday, 24 March

Early morning: coding sprints for early risers

10:00-12:30 Status reports, wrap-up and discussion

12:30-14:00 Lunch