Zeta and *L*-functions
Schedule
L2

Monday 29 September

9:00-10:00 Kaisa Matomäki, *On optimality of mollifiers*
10:00-10:30 Coffee
10:30-11:30 James Maynard, *New Zero density estimates*
11:30-12:30 Ian Petrow, *The Petersson/Bruggeman/Kuznetsov formulas for specified local components and some new cases of Weyl subconvexity*
12:30-14:30 Lunch
14:30-15:30 Alexandra Florea, *Simultaneous non-vanishing of L-functions at the central point*
15:30-16:00 Coffee
16:00-17:00 Dan Petersen, *Moments in families of L-functions over function fields via homotopy theory*

Tuesday 30 September

9:00-10:00 Paul Nelson, *Equidistribution and moments of L-functions*
10:00-10:30 Coffee
10:30-11:30 Vorrapan Chandee, *Moments of one-level densities for a large orthogonal family of L-functions*
11:30-12:30 Brad Rodgers, *Approximating arithmetic functions and random matrix theory*
12:30-14:30 Lunch
14:30-15:30 Lillian Pierce, *Multiplicative character sums: bounds and counting problems*
15:30-16:00 Coffee

Wednesday 1 October

10:00-11:00 Vladimir Šverak, *A report on the Navier-Stokes Problem*
11:00-11:30 Coffee
11:30-12:30 Chris Skinner, *The Birch—Swinnerton-Dyer Conjecture: a millennium prize problem at 25*
12:30-14:30 Lunch
14:30-15:30 Martin Hairer, *Yang-Mills and the Mass Gap*
15:30-16:00 Coffee
16:00-17:00 Avi Wigderson, *P vs NP*
17:00 Reception in Mathematical Institute
19:00 Dinner at Exeter College for invited guests

Thursday 2 October

10:00-11:00 Jeff Brock, *3-manifolds after Perelman: topology, geometry, and effective rigidity*
11:00-11:30 Coffee
11:30-12:30 Bruce Kleiner, *Ricci flow after Perelman*
12:30-14:30 Lunch
14:30-15:30 Burt Totaro, *The Hodge conjecture: geometry and analysis*
15:30-16:00 Coffee
16:00-17:00 Kannan Soundararajan, *Progress on zeta and* L*-functions motivated by the Riemann hypothesis*

Friday 3 October

9:00-10:00	Louis-Pierre Arguin, *The Riemann zeta-function on the critical line and (branching) random walks*
10:00-10:30	Coffee
10:30-11:30	Adam Harper, *The square of the Riemann zeta function gives rise to critical multiplicative chaos*
12:30-14:30	Lunch