Hodge Theory and Algebraic Cycles
Schedule
L3

Monday 29 September

9:30-10:30	Daniel Huybrechts, *Universal Brauer—Severi varieties and applications*
10:30-11:00	Coffee
11:00-12:00	Ekaterina Amerik, *Parabolic automorphisms of hyperkahler manifolds and related questions*
12:00-14:00	Lunch
14:00-15:00	Junliang Shen, *Cohomology of the universal Jacobian and compactifications*
15:00-15:30	Coffee
15:30-16:30	Eyal Markman, *Cycles on abelian 2n-folds of Weil type from secant sheaves on abelian n-folds*

30 September

9:30-10:30	Alexander Petrov, *Coniveau filtration in p-adic cohomology*
10:30-11:00	Coffee
11:00-12:00	Anna Cadoret, *Tate locus - conjectures and results*
12:00-14:00	Lunch
14:00-15:00	Stefan Schreieder, *Matroids and the integral Hodge conjecture for abelian varieties*
15:00-15:30	Coffee
15:30-16:30	Benjamin Bakker, *Baily--Borel compactifications of period images and the b-semiampleness conjecture*

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

9:30-10:30 François Charles
10:30-11:00 Coffee
11:00-12:00 Claire Voisin, *Universal 0-cycles and the integral Hodge conjecture*
12:00-14:00 Lunch
14:00-15:00 Salim Tayou, *The non-abelian Hodge locus*
15:00-15:30 Coffee
15:30-16:30 Bruno Klingler, *Special loci for local systems*