The Navier-Stokes Equations and Related Topics
September 29 - October 1, 2013
Clay Mathematics Institute
Mathematical Institute
University of Oxford

Schedule

Sunday, September 29

9:30  Registration
10:00-11:00  Camillo De Lellis, Some progress towards Onsagers conjecture
11:00-11:30  Break
11:30-12:30  Thomas Yizhao Hou, The interplay between computation and analysis in the study of 3D incompressible Euler and Navier-Stokes equations
12:30-2:30  Lunch
2:30-3:30  Yoshikazu Giga, On a non-blow up criterion involving vorticity direction under the non-slip boundary condition for the three-dimensional Navier-Stokes flow
3:30-4:00  Break
4:00-5:00  Discussions

Monday, September 30

10:00-11:00  Laure Saint-Raymond, Fluid models as scaling limits of systems of particles
11:00-11:30  Break
11:30-12:30  Alexander Kiselev, Regularity and mixing for active scalars
12:30-2:30  Lunch
2:30-3:30  Vlad Vicol, Long time behavior of forced critical SQG
3:30-4:00  Break
4:00-5:00  Discussions

Tuesday, October 1

10:00-11:00  Sijue Wu, On some large time behaviors of the water wave motion
11:00-11:30  Break
11:30-12:30  Nader Masmoudi, Nonlinear inviscid damping in 2D Euler
12:30-2:30  Lunch
2:30-3:30  Diego Cordoba, Breakdown for fluid interfaces
3:30-4:00  Break
4:00-5:00  Discussions