

Vlad Vicol is an Assistant Professor in the Department of Mathematics at Princeton University. His research lies in partial differential equations (deterministic and stochastic), with an emphasis on problems arising in fluid dynamics: the search for singularities in nonlocal active scalar equations, the long time behavior of solutions to the Navier-Stokes equations at large Reynolds number, and the analysis of solutions in the vanishing viscosity limit.

Vlad has received his B.S. in Mathematics from Jacobs University Bremen, Germany in 2005, and his PhD in 2010 from the University of Southern California, under the supervision of Prof. Igor Kukavica. His thesis established the propagation of analyticity and Gevrey-class regularity for the Euler equations on a bounded domain.

From 2010 to 2012 he was an L.E. Dickson instructor at the University of Chicago, under the mentorship of Prof. Peter Constantin, working on global regularity for the large data critical SQG equation. Since 2012 he holds a position at Princeton University. For his work he was awarded a Sloan Research Fellowship in Mathematics in 2015.