

Jonathan Weare is an assistant professor and part of the Computational and Applied Mathematics Initiative (CAMI) in the Department of Statistics at The University of Chicago. He is also an assistant professor in the James Franck Institute. Before joining the Statistics Department Jonathan was an assistant professor in the Department of Mathematics at the University of Chicago and, before moving to Chicago, he was a Courant Instructor of mathematics at NYU and a PhD student in mathematics at the University of California at Berkeley. In his research, Jonathan makes use of tools from probability theory, the theory of partial differential equations, and numerical analysis, to analyze interesting physical phenomena and to design, analyze, and apply new computational techniques to study challenging problems arising in the physical sciences and engineering. His current application areas of interest include the dynamics of crystal surfaces, molecular simulation problems in chemistry and bio-chemistry, power systems, extreme climate and weather events, and geophysical data assimilation.