

Corey Markfort is an Assistant Professor in the departments of Civil and Environmental Engineering and Mechanical and Industrial Engineering at the University of Iowa. He is a Faculty Research Engineer at IIHR—Hydroscience & Engineering and Research Scientist with the Center for Global and Regional Environmental Research. Before joining the University of Iowa, he was a Scientific Collaborator in the Wind Engineering and Renewable Energy (WiRE) Laboratory at the École Polytechnique Fédérale de Lausanne (EPFL) in Switzerland and was research associate in the St. Anthony Falls Laboratory (SAFL) at the University of Minnesota. He received a BS (2003) in Civil Engineering from the University of Evansville in Indiana. He then moved to the University of Minnesota, where he completed an MS (2005) in Civil Engineering, focusing on water-quality measurement and control. He then worked for three years as a consultant. He returned to SAFL in 2008 to pursue a PhD (2013) focusing on various environmental fluid mechanics problems, including atmospheric boundary layers over complex terrain, land-lake-atmosphere interactions, and wind energy. During the first two years of the PhD, he was a fellow in an interdisciplinary NSF IGERT program, Non-equilibrium dynamics across space and time. Subsequently he was awarded a NASA Earth and Space Science fellowship to investigate the effects of deforestation on biosphere-hydrosphere-atmosphere interactions in the Amazon rainforest, the interactions between wind farms and the atmospheric boundary layer, and the wind sheltering of small lakes by forests and complex terrain.