Stanford



Justin S. Rogers

- Research Oceanographer, Civil and Environmental Engineering
- Staff, Program-Fringer O.

Bio

BIO

Ph.D. Civil & Environmental Engineering, Stanford University, 2016

M.S. Civil & Environmental Engineering, University of Wisconsin-Madison, 2006

B.S. Civil Engineering (Minor in Chemistry), University of Arizona, 2004

Research interests:

- Coastal resilience, risk, sea level rise, extreme events, compound hazards

- Impact of climate change on human and natural systems in coastal and nearshore environments

- Core model development for coastal applications, storm surge, tropical cyclones, flood risk, bottom boundary layers, turbulence, and multiscale physics.

I leverage the power of cloud computing, HPC systems and modern code frameworks, and adapt multiple analysis methods including dynamical models, machine learning, statistical methods, and field observations.