

Physics in the ground beneath our feet:

Applications of statistical and nonlinear physics in environmental and geoscience

A hybrid workshop of the Princeton Center for Theoretical Science: Jan 5-7, 2022

The ground beneath our feet is not static, but is a continually-changing, deformable, disordered combination of materials that are highly responsive to external stimuli. Thus, ideas from statistical and nonlinear physics can help address problems in environmental and geoscience. The goal of this workshop is to bring together participants from Engineering, Fluid Dynamics, Geoscience, Mathematics, Physics, and Soft Matter to discuss problems in this area and clarify unifying/open questions for future research to address.

The event will be in person for speakers, and free to attend for all across the world via zoom.

Register at <https://forms.gle/d5C823J5SZ3XPZp89> for details.

Speakers include:

Ian Bourg

Justin Burton

Karen Daniels

Sujit Datta

Olivier Devauchelle

David Furbish

Emanuela Del Gado

Rachel Glade

Lucas Goehring

Ian Hewitt

Kimberly Hill

Doug Jerolmack

Ruben Juanes

Arshad Kudrolli

Ching-Yao Lai

Claire Masteller

Howard Stone

Jenny Suckale

Nathalie Vriend

John Wettlaufer

Vashan Wright

Organized by Sujit Datta, Ian Bourg, Ching-Yao Lai, & Howard Stone

