Understanding how environmental disorder impacts transport is a long-standing problem of fundamental interest in mathematics and physics. Interest in this problem has recently become revitalized due to advances in experimental and simulation tools demonstrating the central importance of transport processes in biological, environmental, geological, and engineering situations ranging from processes inside cells and tissues to oil recovery and contaminant removal from porous rocks. The goal of this workshop is to bring together theorists and experimentalists to discuss problems related to fluid and solute transport in disordered environments and to nucleate new collaborations. Ultimately, we hope to generate a unified framework by which we can understand—and potentially control—transport in disordered environments.

Program Organizers: Ian Bourg, Sujit Datta and Andrej Košmrlj

FREE, but REQUIRED REGISTRATION is available online at http://pcts.princeton.edu/pcts

THIS WORKSHOP WILL INCLUDE A POSTER SESSION.

Details for submission are on line.

Speakers

MJ Abdolhosseini Qomi, UC Irvine
Denis Bartolo, ENS, Lyon
Ilenia Battiatio, Stanford University
Meredith Betterton, University of Colorado Boulder
Ian Bourg, Princeton University
Jaci Conrad, University of Houston
Sujit Datta, Princeton University
Aaron Dinner, University of Chicago
Nikta Fakhri, MIT
Markus Hilpert, Columbia University
Joaquin Jimenez Martinez, ETH
Ruben Juanes, MIT
Hubert King, ExxonMobil
Andrej Košmrlj, Princeton University
Anthony Kovscek, Stanford University
Dani Or, ETH
Ronny Pini, Imperial College London
Masa Prodanovic, UT Austin
Cynthia Reichhardt, LANL
Jennifer Ross, University of Massachusetts Amherst
Dorthe Wildenschild, Oregon State University