

Center for Environmental & Applied Fluid Mechanics

Speaker: Dr. Marie Farge (École Normale Supérieure, Paris)

Title: *"Why and How to use Wavelets to Study Turbulence"*

Date: **Friday, November 11, 2011**

Time: 11:00 a.m.

Location: Gilman Hall 50 (Marjorie M. Fisher Hall)

Abstract

We will first define turbulence and explain some open problems. We will then recall what wavelets are and show how we use them to try solving some of those open problems.

Note: This work has been done in collaboration with Kai Schneider (CMI, Université d'Aix-Marseille, France) and Romain Nguyen van yen (Mathematik, Freie Universität Berlin, Germany). Their papers can be downloaded from: <http://wavelets.ens.fr>