

**Analysis and Applications:
A Conference in Honor of Elias M. Stein
Princeton University, Princeton, New Jersey
May 16-20, 2011**

Speaker: Guy David (Universite de Paris-Sud – Orsay)

Date/Time: Thursday, May 19, 2011 / 4:30-5:30 pm

Talk Title: Minimal cones and Plateau's problem again?

Abstract:

The lecture will be aimed at explaining why it may be worth returning to the Plateau problem about soap films and studying the corresponding minimal cones in low dimensions. Here minimal sets and cones are defined, following Almgren, using Lipschitz deformations. Minimal cones and sets are well understood for 2-dimensional sets in 3-space (Jean Taylor), but not higher dimensions.