

Mathematics Department Colloquium

Organizer(s): Kenneth Ribet

Thursday, 4:10–5:00pm, 60 Evans

May. 7 **Tatiana Toro**, University of Washington

Harmonic Analysis meets Geometric Measure Theory

We will present two classical problems: one coming from Harmonic Analysis, the other from Geometric Measure Theory (GMT). Although initially these problems appear unrelated, to some extent they both address questions concerning the structure and size of a measure. The goal of the talk is to describe in, general terms, a powerful set of techniques in GMT that unify these problems.