**Toro, Tatiana** (University of Washington (Seattle), USA) Wasserstein Distance and the Rectifiability of Doubling Measures

**Abstract:** In joint work with J. Azzam and G. David we study the structure of the support of certain classes of doubling measures. We are interested in two different types of doubling measures: those that are locally well approximated by flat measures and those that infinitesimally self similar. In both settings we prove that the support can be decomposed into rectifiable pieces of different dimensions. In this talk we will present of an overview of these results.