

1116-35-2830 **Tatiana Toro*** (toro@uw.edu). *Analysis on non-smooth domains.*

In this lecture we will focus on the deep interplay that exists between the geometry of a domain and the smoothness of solutions to elliptic partial differential equations. This will illustrate the way in which ideas and tools from geometric measure theory, harmonic analysis and partial differential equations come together to produce interesting and surprising results. (Received September 22, 2015)