

## **SEMINARIO SISTEMAS DINÁMICOS DE SANTIAGO**

**SPEAKER : Antti Käenmäki (University of Jyväskylä, Finland)**

**TITLE: Assouad dimension of planar self-affine sets**

**ABSTRACT :** We consider planar self-affine sets  $X$  satisfying the strong separation condition and the projection condition. We show that any two points of  $X$ , which are generic with respect to a self-affine measure having simple Lyapunov spectrum, share the same collection of tangent sets. We also calculate the Assouad dimension of  $X$ . Finally, we prove that if  $X$  is dominated, then it is minimal for the conformal Assouad dimension. The talk is based on joint work with Balázs Bárány and Eino Rossi.

**TIME:** (Mon 13th May) 4:30 pm - 5:30 pm

**LOCATION:** Sala 1, PUC, Facultad de Matemáticas, Av. Vicuña Mackenna 4860, Macul, La Florida