Speaker: Daniel Mauldin, Dept of Mathematics, University of North Texas Denton, TX, USA
Title: DIVERGENCE SQUARE AVERAGES

Abstract:

I will give some details of joint work with Zoltan Buczolich. I will indicate the construction showing the sequence of squares is universally bad in L^1- that orbit averages taken along squares do not necessarily converge. The method involves using some properties of the distribution of squares mod n to show that the weak (1,1) inequality does not hold.