EYAL GOREN, McGill University

p-adic dynamics of Hecke operators

I will describe joint work with Payman Kassaei (King's College), and work by S. Hererro, R. Menares and J. Rivera-Letelier, concerning the p-adic dynamics of Hecke operators in their action on modular curves. To the extent time allows, I will discuss work in progress with PK, RM and JRL on Shimura curves and some of the interesting challenges in higher dimensional situations.