Speaker: Kiran KEDLAYA (University of California, San Diego, USA)

Title: Computing hypergeometric L-functions in average polynomial time

Abstract: We describe recent work with Edgar Costa and David Roe that uses a p-adic version of the hypergeometric trace formula to efficiently compute the Frobenius traces of a hypergeometric motive at all good primes up to a given bound. We then discuss some possible applications of this technology (and welcome further suggestions from the audience!).