Speaker: Henryk Iwaniec

Title: The Gallagher Straight Paths to Prime Numbers and Zeros of L-functions

Abstract: The contribution of P.X. Gallagher to Analytic Number Theory started a reset of the conventional methods for proving fundamental results on the distribution of prime numbers and zeros of Dirichlet's L-functions. I shall illustrate the innovative ideas of Gallagher with specific applications and show some places where his original methods impact the public domain today.