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**RAM MURTY**, Queen's University  
*An "all-purpose" Erdos-Kac theorem*

We will discuss a general axiomatic formulation that allows for the derivation of Erdos-Kac type theorems in a wide range of contexts. In particular, we will apply it to derive Erdos-Kac type theorems for the number of prime factors of sums of Fourier coefficients of Hecke eigenforms. This is joint work with Kumar Murty and Sudhir Pujahari.