RAM MURTY, Queen's University, Kingston, Ontario Special values of L-series and transcendental numbers

We discuss some recent progress in transcendental number theory. More precisely, we will examine special values of certain L-series and determine when these are transcendental numbers. In particular, we study class group L-functions attached to imaginary quadratic fields.

This is a report of joint work with V. Kumar Murty as well as Sanoli Gun and Purusottam Rath.