

**Speaker:** Florian Sprung

**Title:** The Iwasawa Main Conjecture for elliptic curves at supersingular primes

**Abstract:** Iwasawa Main Conjectures are equalities between two ideals, one constructed algebraically, the other  $p$ -adic analytically. In this talk, we discuss the Iwasawa Main Conjecture for elliptic curves, emphasizing its relevance to the Birch and Swinnerton-Dyer conjecture prime by prime. Moreover, we present a proof of the Main Conjecture for elliptic curves at supersingular primes.