

**Speaker :** Werner Bley

**Title :** *The equivariant Tamagawa number conjecture for elliptic curves*

**Abstract :** Let  $E/\mathbb{Q}$  be an elliptic curve and  $K/\mathbb{Q}$  a finite Galois extension with group  $G$ . The ETNC for the pair  $(h_1(E/K)(1); \mathbb{Z}[G])$  is an equivariant refinement of the Birch and Swinnerton-Dyer conjecture. We will try to give an explicit formulation of the ETNC in this context and explain how this can be used to obtain both numerical and, in very special cases, also theoretical evidence for the validity of the conjecture.