

Speaker : Otmar Venjakob

Title : SK_1 of Iwasawa algebras

Abstract : In non-commutative Iwasawa theory K -theoretic properties of Iwasawa algebras, i.e., completed group algebras of, e.g., p -adic Lie groups G , play a crucial role. Such groups arise naturally as Galois groups attached to p -adic representations as for example on the Tate module of abelian varieties. In this talk we shall discuss over all the vanishing of SK_1 -groups of such Iwasawa algebras. An arithmetic application is the partial uniqueness of '(non-commutative) p -adic L -functions.