

**Speaker:** Sinnou David

**Title:** Baker Theory on group varieties

**Abstract:** A long standing conjecture of Lang on rational functions on elliptic curves is known to follow from sharp lower bounds for linear forms in elliptic logarithms. We shall indicate how to prove such lower bounds. We shall then indicate how these can be generalized to arbitrary commutative group varieties. We shall also take this opportunity to survey what has been done on this subject since the breakthrough of A. Baker.