Speaker: Philippe Gille

Title: Algebraic groups over semiglobal fields

Abstract: We shall present the state of the art on the generalization of classical results on reductive groups over a global field to the case of a semiglobal field F. Recall that F is the function field of a curve over a complete discretely valued field K. We shall discuss the patching theory of Harbate–Hartma–Krashen and recent refinements involving loop torsors obtained in collaboration with R. Parimala.