Title : On the structure of Selmer groups of Λ-adic deformations over p-adic Lie extensions.

Abstract : We shall consider the Λ-adic deformations of Galois representations associated to elliptic curves and show that the Pontryagin dual of the Selmer group of a Λ-adic deformation over certain p-adic Lie extension has no non-trivial pseudo-null submodule. We shall also discuss various arithmetic Iwasawa modules associated to such deformations. This is a joint work with R. Sujatha.