Speaker : Lior Bary-Soroker

Title : *On p-embedding problems in characteristic p*

Abstract : Studying absolute Galois groups via embedding problems started with Iwasawa. Today there is a lot of activity on this subject. The main objective of this talk is to present a recent result of the speaker and Duy-Tan. We prove that an embedding problem with p-kernel for a field of characteristic p is solvable under the mild condition that the field admits a valuation which is not p-divisible. All notions will be explained in the talk.