

Speaker: Lue Pan

Title: Fontaine-Mazur conjecture for $GL(2, \mathbb{Q})$

Abstract: The Fontaine-Mazur conjecture predicts the modularities of certain 2-dimensional p -adic Galois representations over \mathbb{Q} . I will report on some recent progress on this conjecture in the residually reducible case. One key ingredient is a generalization of Emerton's local-global compatibility result.