Speaker: Michael Rapoport

Title: On p-adic uniformization

Abstract: Cherednik proved that a Shimura curve associated to a quaternion algebra over a totally real field which ramifies at a non-archimedean place over p has p-adic uniformization by the Drinfeld p-adic halfplane. Drinfeld gave a conceptual proof of this when the totally real field is equal to $\mathbb{Q}$, and proved a local version of this theorem. I will recall these theorems and will then explain some new cases of p-adic uniformizations of Shimura varieties (joint work with Kudla).