

**Meeting:** 1006, Lubbock, Texas, SS 3A, Special Session on Classical and Differential Galois Theory

1006-12-75            **Pierre Debes\*** ([Pierre.Debes@univ-lille1.fr](mailto:Pierre.Debes@univ-lille1.fr)), U.F.R. Mathematiques, Universite Lille 1, 59655 Villeneuve d'Ascq, France, and **Michel Emsalem**, France. *Hurwitz spaces, patching and profinite inverse Galois theory.*

Using patching methods, every finite group can classically be realized as the automorphism group of a  $p$ -adic Galois cover of the line. We will reconsider the realizing  $p$ -adic covers and will explain that they have some interesting topological property, when viewed as complex covers: they are of Harbater-Mumford type (under some mild assumptions). We will show some consequences for the regular inverse Galois problem for finite and profinite groups. (Received February 05, 2005)