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*Degenerations of  $G$ -torsors and Bruhat-Tits group schemes*

In the talk I plan to discuss the construction of a flat degeneration of the moduli of  $G$ -torsors on smooth projective curves when the smooth curve degenerates to an irreducible nodal curve and also to give an intrinsic definition of (semi)stability for a  $G$ -torsor on an irreducible projective nodal curve. A generalisation of the classical Bruhat-Tits group schemes to two-dimensional regular local rings provides the key tools.