NIRVANA COPPOLA, Vrije Universiteit Amsterdam
Reduction types of genus 3 curves

The goal of this talk is to give a classification of the reduction of genus-3 curves whose automorphism group contains a subgroup isomorphic to the Klein group. We will first compute all possible reduction types, and then characterise when each case is attained in terms of invariants attached to the equation of a normalised model of the curve. This is joint work with I. Bouw, P. Kılıçer, S. Kunzweiler, E. Lorenzo García and A. Somoza Henares.