

Alessandro VERRA, Roma TRE

### **Geometry of genus 8 Nikulin surfaces and rationality of moduli**

The talk deals with some explicit constructions of Nikulin surfaces, and of their moduli spaces, in low genus. In particular the talk will focus on the genus 8 case. In this case the moduli space is irreducible and its rationality is proven. The proof is related to the geometry of six nodal cubic threefolds, originally described by Corrado Segre.