



**Speaker:** Gabriele Mondello, Sapienza - Università di Roma.

**Title:** Spherical surfaces of genus 1 with 1 conical point.

**Abstract:** For punctured surfaces with negative Euler characteristic every complex structure is induced by a unique hyperbolic metric: this establishes an identification between the moduli space of punctured Riemann surfaces and the moduli space of hyperbolic Riemann surfaces with cuspidal ends. One has a similar correspondence for hyperbolic or flat surfaces with conical points. On the other hand, the situation with spherical surfaces (i.e. with a metric of constant curvature 1) with conical points is in general completely different. In this talk we will describe the topology of the moduli space of spherical surfaces of genus 1 with 1 conical point. This is joint work with Alexandre Eremenko and Dmitri Panov.