Talk 4: *Operads in Geometry*

In this talk we discuss two main examples of geometric operad. The fist one is the operad of genus 0 Riemann surfaces with numbered disjoint holes, closely related to conformal field theory.

The second example is the Deligne-Knudsen-Mumford compactification of the moduli space of numbered points in the complex projective plane. As we already indicated in the first talk, algebras over this operad are cohomological field theories.