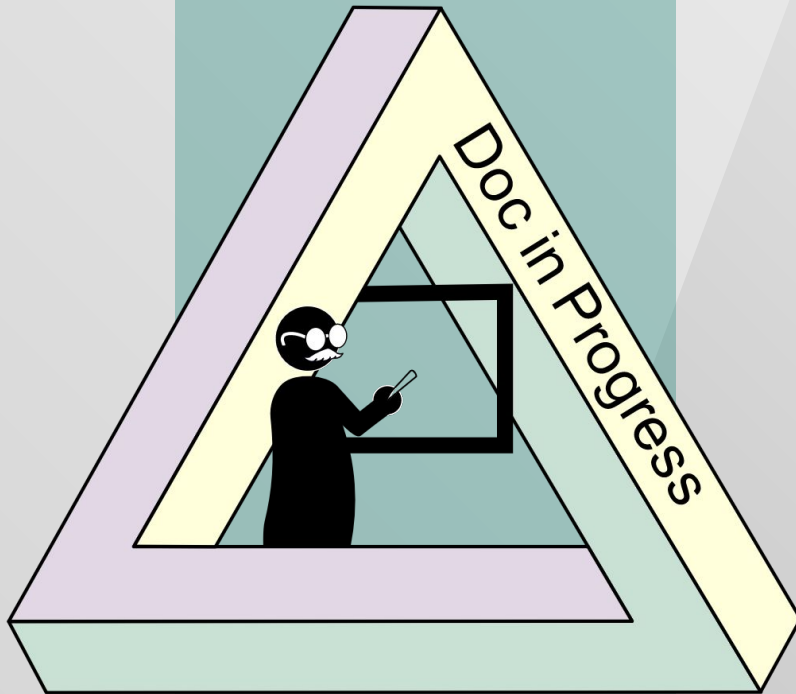




UNIVERSITÀ  
DI TRENTO

Dipartimento di  
Matematica



PhD in Mathematics

“Doc in Progress” is pleased to introduce you to

**Massimiliano Alessandro**

University of Genova

PhD in Mathematics

## Equations of families of Complex Algebraic Surfaces with $p_g = q = 2$

In this talk we describe results from a joint work with Fabrizio Catanese, where we provide explicit and global equations for some known families of complex algebraic surfaces with

$$p_g = q = 2$$

and we also construct a new one.

First, we recall the concept of a complex manifold, starting from Riemann Surfaces.

Then, we focus on the 2-dimensional case (complex surfaces) and we define the numerical invariants  $p_g$  and  $q$ .

Finally, we give our global equations.



Thursday, March 16 – 16:00 CET

The seminar will take place in room “Aula Seminari -1” (Department of Mathematics). If needed, please contact [docinprogress.unitn@gmail.com](mailto:docinprogress.unitn@gmail.com) using an institutional e-mail address to ask for a Zoom streaming of the event.