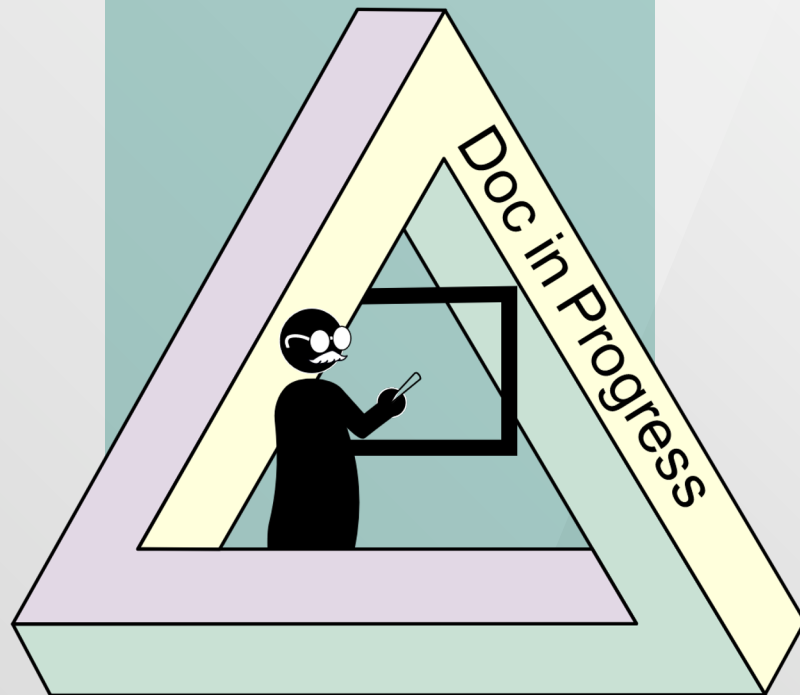




UNIVERSITÀ
DI TRENTO

Dipartimento di
Matematica



PhD in Mathematics

“Doc in Progress” is pleased to introduce you to

Saverio Andrea Secci

University of Torino

PhD in Mathematics

Introduction to the MMP and classification of Fano manifolds

One of the main goals in many areas of Mathematics is to classify the studied *objects* up to some equivalence relation. In the case of Algebraic Geometry, this often results in the classification of projective varieties up to isomorphism. However, there are many properties of a projective (complex) variety that are invariant under birational transformations.

Thus we ask: given a projective variety X , is there a projective variety Y birationally equivalent to X , which is 'the simplest' in some sense? If such a Y exists, it is called a minimal model.

After an introduction to Mori's Theory, and the Minimal Model Program (MMP), we will see some of its applications to the classification of Fano manifolds.



Wednesday, January 25 – at 16:00 CET

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