

## **Rosa Marchesini : On the notion of homotopy for Lie algebroids.**

*lundi 26 juin 2023 14:00 (30 minutes)*

The definition of homotopy as a smooth curve of Lie algebroid morphisms does not guarantee the homotopy invariance of Lie algebroid cohomology.

In order to obtain the desired property, we need to focus on a more restrictive notion that has appeared sporadically in the literature but has not yet been explored to its full potential. We motivate the choice of definition with new examples and relevant applications. The results are a joint work with my supervisor Madeleine Jotz.