

Topology Seminar

Elden Elmanto

of Harvard University/CNRS will be speaking on

Motivic cohomology reimagined

on November 22 at 4:30 in
MIT Room Zoom

Beilinson, Macpherson and Schechtman asked us to imagine a world where topological K-theory was first defined before singular cohomology. How would one invent the latter? This question has been influential to various approaches to motivic cohomology of smooth varieties with its relationship to K-theory, serving a 'design principle.' I will explain an extension of this idea to define a version of motivic cohomology of singular schemes. The engine behind it is the Bhatt-Morrow-Scholze prismatic sheaves.

This is all joint work with Tom Bachmann and Matthew Morrow.

For information, write: ishanl@mit.edu