SEMINARIO DI GEOMETRIA

# Giovedì 16 Maggio 2024, ore 14:15

## AULA M1

### Dipartimento di Matematica e Fisica

### Università degli studi Roma Tre

### Largo San Leonardo Murialdo 1

Speaker: Aaron Levin (Michigan State University)

Title: Diophantine Approximation to Closed Subschemes

Abstract: The classical Weil height machine associates heights to divisors on a projective variety. I will give a brief introduction to this machinery, how it extends to objects (closed subschemes) in higher codimension, due to Silverman, and present various ways to interpret the heights. We will then discuss several recent results in Diophantine approximation in which these ideas play a prominent and central role.