



# ALGEBRA SEMINAR

## Rational points of subgroups inside a toric variety over a finite field

By

**Mesut Şahin**  
(Hacettepe)

**Abstract:** We talk about counting rational points of subgroups of the torus lying inside a toric variety over a finite field, explaining its implications for the evaluation codes on these subgroups.

These subgroups correspond to certain homogeneous lattice ideals. We share a nullstellensatz type result for them.

**Date:** February 12, 2020

**Time:** 13:40

**Place:** SA141 Mathematics Seminar Room

Refreshments will be served after the talk