



# ALGEBRA SEMINAR

## Calculus of endofunctors on the category of abelian groups

By

Özgün Ünlü  
(Bilkent)

**Abstract:** We will first discuss the Taylor tower associated to an endofunctor on the category of abelian groups. Then we will discuss a criterion for a natural transformation between polynomial functors to be a natural isomorphism. Finally we will discuss some applications of this criterion.

**Date:** November 27, 2019 Wednesday

**Time:** 10:40 – 11:50

**Place:** SA141 Mathematics Seminar Room

\* Simit and cream cheese will be served before the talk. All are most cordially invited.