

ISU Algebra Seminar

Fall 2019

Date: September 26th, 2019

Time: 1:00pm-1:50pm

Location: STV 347B

Speaker: Lucian Ionescu

Department of Mathematics, ISU

Title: Arithmetic Galois Theory

Abstract: Sets and Vector spaces (or R -modules) are related categories. What appears as Galois Theory on one side (Linear Algebra), is arithmetic of finite Abelian groups on the other side.

The correspondence and applications to splitting primes in field extensions will be placed in a historical context of important "programs in mathematics".