

Sophia University

Mathematics Colloquium

When: Friday, May 26, 2017, 17:00 - 18:00

Where: Room No. 201, Main Bldg., Ichigaya-Campus

Speaker: Prof. Pierre Debes (Université Lille 1)

Title: Inverse Galois Problem: the geometric approach

Abstract: The inverse Galois problem - show that every finite group is the Galois group of a polynomial with rational coefficients - will be the common thread of the talk.

Going back to the early stages of the problem, I will focus on the geometric approach, which is based on some specialization process. More than two hundred years after Galois, the problem remains largely open. I will explain some recent progress, point out some difficulties and indicate some new research lines.