Guest Speaker: Carlos Marcelo Servan
University of Chicago

**Date:** Tuesday, October 25, 2022  
**Time:** 2:15 PM  
**Location:** 117 Hayes-Healy Hall  
**Zoom Link:** NA

**Lecture Title:**  
On the uniqueness of the Prym map

**Abstract**

The classical Prym construction associates an abelian variety of dimension \( g-1 \) to a double cover \( \pi: Y \rightarrow X \) of a smooth genus \( g \) curve. The construction globalizes to a map between moduli spaces Prym: \( R_g \rightarrow A_{g-1} \). One can ask to what extent is this construction special? In this talk, I will discuss my recent work showing that Prym is unique. A big step in the proof is a classification of homomorphisms between the orbifold fundamental groups \( \pi_1(R_g) \rightarrow Sp(2g, \mathbb{Z}) \).