

APRIL 1 - JULY 15

IMPAN, WARSAW

SIMONS SEMESTER

GEOMETRIC AND ANALYTIC GROUP THEORY

COLLOQUIUM

TUESDAY, 04.06.2019

16:15-17:30

ROOM 3180, MIMUW

BANACHA 2

02-097 WARSZAWA

Thomas Koberda (University of Virginia)

Algebra versus regularity for group actions on one-manifolds

Abstract: I will survey some results concerning the algebraic structure of finitely generated groups which admit faithful actions on compact one-manifolds. I will concentrate on continuous, C^1 , and C^2 actions, and on the various algebraic restrictions imposed by regularity requirements.

Of particular interest will be nilpotent groups, right-angled Artin groups, and mapping class groups of surface.

Time permitting, I will indicate some recent progress.

