GEOMETRIC AND ANALYTIC GROUP THEORY

APRIL 1 - JULY 15

IMPAN, WARSAW

SIMONS SEMESTER ON

SEMINAR
WEDNESDAY, 17.04.2019
13:00-13:50

ROOM 321
ŚNIADECKICH 8
00-656 WARSZAWA

Damian Sawicki (MPIM Bonn)

On a metric-space-valued invariant of dynamical systems

Abstract:
I will describe a construction of a metric space (defined up to quasi-isometry) associated to an action of a finitely generated group on a compact space. We will then discuss to what extent the group and the action are remembered by this invariant (called the warped cone) and how to use the construction to obtain exotic examples of metric spaces, including super-expanders and counterexamples to the coarse Baum–Connes conjecture.

https://www.impan.pl/en/activities/banach-center/conferences/19simons-xi

IM PAN

SIMONS FOUNDATION

Ministry of Science and Higher Education Republic of Poland

Banach Center INSTITUTE OF MATHEMATICS PAS

erc European Research Council