

STUDENT WORKSHOP SZCZECIN 2019

Speaker: Pablo Cubides Kovacsics (Technische Universität Dresden)

Title: *On stably embedded pairs and applications*

Abstract: A pair of structures $M \prec N$ is called a stably embedded pair if for every N -definable subset $X \subseteq N^k$ the set $X \cap M^k$ (its trace is M) is M -definable. We will discuss different examples of theories in which the class of stably embedded pairs form an elementary class in the language of pairs. We will show some applications to uniform definability of types and, if time allows, to pro-definability.