

## STUDENT WORKSHOP SZCZECIN 2019

**Speaker:** Slavko Moconja (University of Wroclaw)

**Title:** *Some model theory of linear orders*

**Abstract:** First analysis of first-order properties of some classes of linear orders was done by Rubin, who obtained several remarkable results; among other things, he considered countable, complete theories of coloured orders and described their countable models. Rubin developed powerful techniques to analyse topological complexity of spaces of types. In the talk we will present another approach for analysing some expansions of linear orders. We seek for a semantical description of some classes of expansions of linear orders. We will give a geometric insight and investigate the description of definable sets.