## Speaker: Yann Pequignot

Title: Embeddability on functions: order and chaos

**Abstract:** We study the quasi-order of topological embeddability on continuous functions between Polish zero dimensional spaces. Our main result is the following dichotomy: the embeddability quasiorder on continuous functions from a given compact space to another is either an analytic complete quasi-order or a well-quasi-order.

We also investigate the existence of maximal elements with respect to embeddability in a given Baire class. We prove that no Baire class admits a maximal element, except for the class of continuous functions which admits a maximum element.