

We will continue online on Thursday, **May 7, at 1pm on [ZOOM](#) platform** (for information how to access seminar and next programme visit

[this page](#)

) by the talk:

Christian Espindola

Topos-theoretic completeness theorems

Abstract:

In this talk we will delve into the background details of the previous talk by introducing syntactic proof systems and their categorical semantics, including the construction of syntactic categories and κ -classifying toposes, as well as the role of certain properties of Grothendieck topologies and Kripke-Joyal semantics. We will then study some topos-theoretic completeness theorems for certain infinitary logics that generalize results of Deligne and Joyal.