



Invitation

Logic Colloquium

Farmer Schlutzenberg

(University of Münster)

Large cardinals and the Axiom of Choice

the talk will take place
on **Monday, 04.07.22** at **15:15** in room **F420**
and will be streamed at:

<https://uni-konstanz-de.zoom.us/j/93770986669?pwd=Vmo5dDRwa11xZ0RhS0ZFTVNkTXhrRQT09>

All interested are welcome to attend

Abstract: The Axiom of Choice (AC) is mostly accepted by mathematicians, and is essential in many proofs. However, it is often considered with suspicion, probably due to its non-constructive nature and its various unexpected consequences. Large cardinals are central axioms in set theory, with compelling structural consequences for the universe of sets, both globally but also for the real numbers. It turns out that the relationship between AC and large cardinals is intricate, and not entirely without conflict. We will describe some of these connections, which might suggest that the correct picture of the universe of sets is one in which very large cardinals exist and AC must fail.

Carolin Antos, Salma Kuhlmann
Coordinators of the Logic Colloquium