



Invitation

Logic Colloquium

Neil Barton

(IFIKK, University of Oslo)

Engineering Set-Theoretic Concepts

the talk will take place
on **Monday, 14.11.2022** at **15:15** in room **F420**.

All interested are welcome to attend

Abstract: On one view of set theory, the paradoxes precipitated a radical clarification of our concept of set, culminating with the isolation of the iterative conception of set. In this talk, I'll present some work from a book I've been working on (also entitled 'Engineering Set-Theoretic Concepts'). I'll argue that in fact the iterative conception admits of further splitting into multiple conceptions of set, and that we are ourselves at a conceptual crossroads motivated by a kind of paradox. In one direction, we are pushed to the standard picture of ZFC. In the other, we are pushed towards a conception of set on which every set is countable. I'll also (for the logic folks) present some of the mathematics behind this latter less familiar picture, and situate ZFC-based set theory within it.

Carolin Antos, Salma Kuhlmann
Coordinators of the Logic Colloquium

For information and schedule please visit
http://www.math.uni-konstanz.de/~serra/index_Logic.html