Invitation

Logic Colloquium

Sam Roberts
(Universität Konstanz)

Sets as structures

the talk will take place online
on **Monday, 21.06.2021** at **15:15**
a link will be announced in the newsletter

All interested are welcome to attend

Abstract: Structuralism in the philosophy of mathematics is the view that mathematics concerns structures. Ordinary mathematical objects, like natural numbers, real numbers, sets, etc, are then taken to be places in those structures. Structuralism comes in two distinct flavours. According to eliminative structuralism, a structure is given by a collection of ordinary objects (like tables, chairs, stars, etc). According to non-eliminative structuralism, structures are sui generis mathematical objects. Both versions face a number of problems, however. The aim of this talk is to articulate a new take on structuralism according to which mathematical objects like sets are not places in structures but rather structures themselves. I will argue that this solves many of the problems facing traditional forms of structuralism, and show how, with the right assumptions, it can be used to make sense modern set theory.

Carolin Antos, Salma Kuhlmann
Coordinators of the Logic Colloquium