



universität  
wien

Fakultät für Mathematik

## Mathematisches Kolloquium

Mittwoch, 10. April 2019

Sky Lounge

### EINLADUNG

**Ilijas Farah**

*(York University, Canada)*

„Some necessary uses of set theory in mathematics“

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#### **Abstract:**

*Every now and then, a difficult mathematical problem turns out to be difficult for a particularly objective reason: Provably, it cannot be solved by using `conventional' means. Some classical examples are proving the Continuum Hypothesis, duplicating the cube, and solving the quintic equation in radicals. I'll discuss more recent examples of such problems, giving emphasis to those arising from the study of operator algebras.*

**15.45 Uhr: Kaffeejause**

**16.15 Uhr: Vortrag**

**vinum cum pane im Anschluss**

Vera Fischer  
Christian Krattenthaler