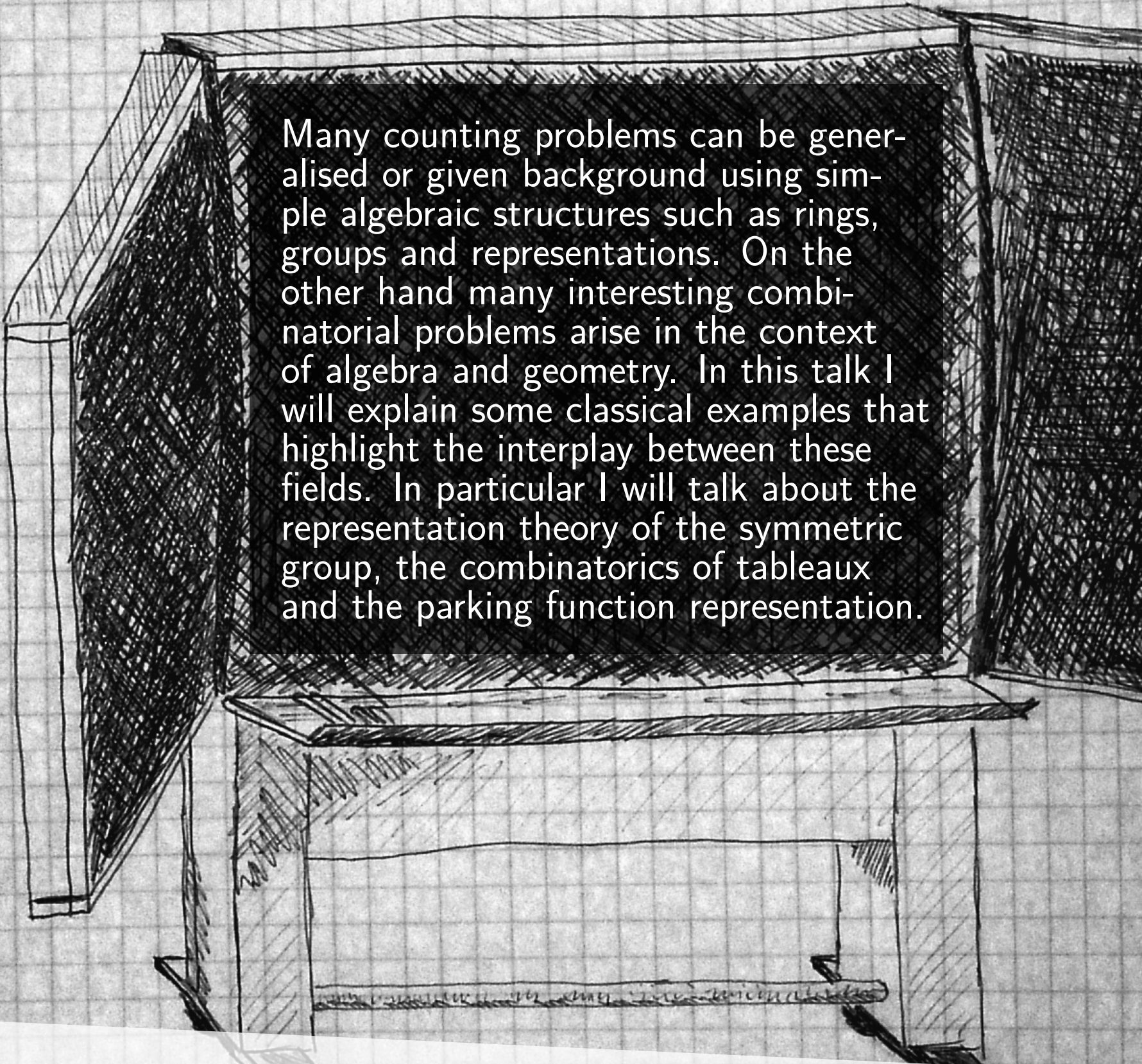


# PhD Colloquium

November 23<sup>rd</sup> 2016, 15:00–15:45  
Sky Lounge

## An Introduction to Algebraic Combinatorics by Robin Sulzgruber



Many counting problems can be generalised or given background using simple algebraic structures such as rings, groups and representations. On the other hand many interesting combinatorial problems arise in the context of algebra and geometry. In this talk I will explain some classical examples that highlight the interplay between these fields. In particular I will talk about the representation theory of the symmetric group, the combinatorics of tableaux and the parking function representation.

**Master Students, PhD Students, Postdocs  
and other members of the Faculty of  
Mathematics are cordially invited!**

Organised by the Vienna Doctoral School of Mathematics.