Contribution ID: **59**
Type: **Plenary talk**

From QFT to quantum gravity using the algebraic approach

Thursday, 31 August 2023 15:00 (1 hour)

In this talk I will discuss how the algebraic approach to (perturbative) quantum field theory can benefit the search for the theory quantum gravity through several different approaches. I will discuss the problem of constructing gauge invariant observables, the asymptotic safety program and consequences of potential discreteness of spacetime at small scales.

Presenter: REJZNER, Kasia

Session Classification: Afternoon session 1