# Einladung zum
# Oberseminar Stochastik

**ONLINE Vortrag über Zoom – (Zugangsdaten werden noch mitgeteilt)**

**am Donnerstag, 7.01.2021 ab 17:45 Uhr**

## Xaver Kriechbaum
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zum Thema

**Subsequential tightness for branching random walk in random environment**

Abstract

For Branching Random Walks (BRW) with homogenous branching it is known that the position of the maximal particle satisfies a law of large numbers and is tight around the mean.

For BRW with the branching rate depending randomly on the location of particles there has been proven a law of large numbers as well as a functional central limit theorem for the position of the maximal particle, but the question whether its position is tight around its mean is still open.

In this talk I will present an argument which yields tightness along subsequences. The argument is based on the classical Dekking-Host argument for BRW with bounded increments.

Alle Interessenten sind herzlich eingeladen.

Die Dozenten der Stochastik