ALPEN-ADRIA UNIVERSITÄT KLAGENFURT

# INVITATION TO THE DOCTORAL SEMINAR

**Iryna Vasylieva, B.A. MA**
Universität Klagenfurt

**"Strong topological equivalence of random dynamical systems"**

V.1.02 Wednesday, 11 May 2022 10:00 a.m.

**Abstract**
The modeling of real-world dynamical processes taking into account the effects of uncertainties and random disturbances leads to the field of random dynamical systems (RDSs). In this talk we focus on the linearization of RDEs, which allows us to conclude local information on the dynamics from their linear parts. Our presentation is devoted to basic concepts, namely the Multiplicative Ergodic Theorem and topological linearization of RDSs in arbitrary Banach spaces.

Christian Pötzsche and the Department of Mathematics look forward to seeing you at the talk!