

Boğaziçi  
**MATH GRAD SEMINAR**

# **Long-time Behaviour of Stochastic Nonlinear Schrödinger Equations**

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**Abstract:**

The aim of this talk is to present our joint work with Engin Başakoğlu, Faruk Temur and Barış Yeşiloğlu. First, we briefly introduce global well-posedness and scattering notions of deterministic nonlinear Schrödinger equations. Next, we consider stochastic nonlinear Schrödinger equations, and focus on the scattering problem. After giving key observations and our approach to solve the problem, we will see almost sure scattering results in some well-known function spaces.

**Date :** Monday, December 23, 2024

**Time:** 13:30

**Place:** TB130, South Campus, Boğaziçi University