



# TOPOLOGY SEMINAR

## Introduction to simplicial distributions

By

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**Abstract:** Simplicial distributions [1] is a new approach to studying measurement statistics of experiments, mainly quantum, from a topological perspective. The topology that comes in is combinatorial in flavor and is based on the theory of simplicial sets. In this talk, I will introduce the basic notions of the theory and explain the origins connecting to earlier work on preserves of distributions by Abramsky--Brandenburger.

[1] Simplicial quantum contextuality, <https://arxiv.org/abs/2204.06648>

**Date:** Monday, October 28, 2024

**Time:** 13:30

**Place:** ZOOM

To request the event link, please send a message to [cihan.okay@bilkent.edu.tr](mailto:cihan.okay@bilkent.edu.tr)