



# Analysis Seminar

## “SOME HARMONIC ANALYSIS ON ORLICZ ALGEBRAS”

By

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**Abstract:** Let  $G$  be a locally compact group,  $\Phi$  be a Young function, and denote by  $L\Phi(G)$  the associated Orlicz space.

We will give an introduction to twisted Orlicz algebras. Our approach allows us to systematically and simultaneously study twisted convolutions as well as weighted spaces. We present (abstract) harmonic analysis properties of these algebras. We also apply our method in the form of twisted Orlicz algebras on compactly generated groups of polynomial growth.

This presentation is based on joint works with Ebrahim Samei and Varvara Shepelska of University of Saskatchewan, Canada.

**Date:** Tuesday, October 20

**Time:** 15:00 – 16:00

**Place:** ZOOM

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