

## **Cedric Arhancet: Classical harmonic analysis viewed through the prism of noncommutative geometry**

*jeudi 18 décembre 2025 15:00 (30 minutes)*

This talk aims to connect noncommutative geometry with classical harmonic analysis on Banach spaces, with a particular emphasis on both classical and noncommutative  $L_p$ -spaces. The overarching goal is to show how the study of operators on  $L_p$ -spaces can be naturally integrated into the broader framework of noncommutative geometry, thereby opening new perspectives in analysis.

<https://arxiv.org/abs/2409.07750>