



HARVARD UNIVERSITY
17 Oxford Street
Cambridge, MA 02138

Mathematical Picture Language Seminar

Tuesday, February 14, 2023

9:30 a.m. Boston time

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A Bridge Between the Baum-Connes Conjecture and the Langlands Program

Abstract: I will first introduce the Bernstein decomposition of the category of smooth representations of a p -adic reductive group and explain how it could be used to improve the understanding of the K -theory of the reduced C^* -algebra of the group. Next, I will describe a Galois picture of this decomposition, constructed in collaboration with Ahmed Moussaoui and Maarten Solleveld, and its application to the local Langlands correspondence.



Zoom QR Code & Link:

<https://harvard.zoom.us/j/779283357?pwd=MitXVm1pYUIJVzZqT3lwV2pCT1ZUQTog>

<https://mathpicture.fas.harvard.edu/seminar>