



Speaker: David Goldberg
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Monday, September 10, 2018

3:00 PM

207 DeBartolo Hall

Title: An overview of the theory of induced representations of p -adic groups

Abstract:

The theory of induced representations plays a crucial role within representation theory in general, and in particular, within the representation theory of p -adic groups. The structure of such induced representations can be understood through a standard family of singular integral operators, which give rise to a finite group describing the structure of the induced representations. This theory has deep consequences in number theory, through the Langlands program. In this talk we'll discuss this topic in broad terms, motivated from finite groups, and give some descriptions of recent results in this area.