

Department of Mathematics, BGU

Algebraic Geometry and Number Theory

On *Wednesday, November ,23 2016*

At *15:10 – 16:30*

In *Math 101-*

Uri Onn (BGU)

will talk about

**A variant of Harish-Chandra functors for
profinite groups**

Abstract:



Ben Gurion University - Mathematics
Algebraic Geometry and Number Theory Seminar

Speaker **Uri Onn (BGU)**
Title **A variant of Harish-Chandra functors for profinite groups**
Date Wednesday, 23 November 2016
Time 15:10 - 16:30 (starts 15:10 sharp)
Location Room -101 in Building 58

Abstract Harish-Chandra induction and restriction functors play a key role in the representation theory of reductive groups over finite and local fields. Constraining a trivial action by appropriate unipotent subgroups, which is part of their definition, results in simple combinatorial commutation relation between induction and restriction from and to Levi subgroups. This allows one to effectively construct and classify representations of such groups. In this talk I will describe generalisations of these functors that are suitable for profinite groups. This is a joint work with Tyrone Crisp and Ehud Meir.

(updated 10 Nov 2016)