Department of Mathematics, BGU

Colloquium

On *Tuesday, May ,17 2016*

At *14:30 – 15:30*

In *Math 101-*

Ido Efrat (BGU)

will talk about

Absolute Galois groups - old and new results

Abstract: Galois theory investigates the symmetry patterns among roots of polynomials over a field. These symmetry patterns are described by the absolute Galois group of the field, whose structure is in general still a mystery. We will describe what is known about this symmetry group: classical facts, consequences of the epochal work by Veovodsky and Rost, and very recent structural results and conjectures related to higher cohomology operations and intersection theorems.