Department of Mathematics, BGU

Colloquium

On *Tuesday, March ,29 2016*

At *14:30 − 15:30*

In *Math 101-*

Mikhail Muzychuk (Netanya Academic College)

will talk about

Isomorphism problem for Cayley combinatorial objects

Abstract: A Cayley combinatorial object over a group H is a relational structure on H invariant under the group of right translations H_R. Cayley graphs over the group H provide a well-known example of such objects. An isomorphism problem for Cayley graphs will be the central topic of my talk. I shall present Klin-Poeschel approach to this problem based on the method of Schur. In addition, some recent results about isomorphism problem for non-graphical Cayley objects will be discussed. (This talk will be part of Yom iuyn on Algebraic Combinatorics on on the occasion of the retirement of Prof. Mikhail Klin)