

Department of Mathematics, BGU

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## Colloquium

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**On** *Tuesday, November ,20 2018*

**At** *14:30 – 15:30*

**In** *Math 101-*

Gili Golan (BGU)

will talk about

### **Invariable generation of Thompson groups**

Abstract: A subset  $S$  of a group  $G$  *invariably generates*  $G$  if for every choice of  $g(s) \in G, s \in S$  the set  $\{s^{g(s)} : s \in S\}$  is a generating set of  $G$ . We say that a group  $G$  is *invariably generated* if such  $S$  exists, or equivalently if  $S=G$  *invariably generates*  $G$ . In this talk, we study *invariable generation* of Thompson groups. We show that Thompson group  $F$  is *invariably generated* by a finite set, whereas Thompson groups  $T$  and  $V$  are not *invariably generated*. This is joint work with Tsachik Gelander and Kate Juschenko.