Department of Mathematics, BGU

Colloquium

On *Tuesday, March ,22 2022*

At *14:30 − 15:30*

In *Math 101-*

Leonid Polterovich (Tel Aviv University)

will talk about

Symplectic maps: algebra, geometry, dynamics

Abstract: Symplectic maps can be considered as symmetries of a geometric structure (a symplectic form) on a manfiold, and as a mathematical model of admissible motions of classical mechanics. I discuss a number of rigidity phenomena of algebraic, geometric, and dynamical nature exhibited by these maps, focusing on a recent work with Egor Shelukhin.