YAEL KARSHON, University of Toronto *Convexity phenomena in Hamiltonian geometry*

A moment map for a Hamiltonian torus action has three important properties:

- its image is convex;
- its level sets are connected;
- as a map to its image, it is an open map.

We will explain these phenomena by a purely topological "Local-Global Prinzip". The only pre-requisite is a bit of point set topology.