YOAV LEN, University of Waterloo
Tropical image of intersections

My talk is concerned with the interplay between algebraic and tropical intersection theory. When tropicalizing algebraic curves, each of their intersection points maps to a tropical intersection point. In the talk I will address the reverse problem: given two tropical curves, which intersection points come from algebraic intersections? To find the answer, we must consider chip firing games on tropical curves, and non-Archimedean semialgebraic sets. This is joint work with Matt Satriano.