

Tel Aviv University  
School of Philosophy, Linguistics and Science Studies,  
Department of Linguistics

## THURSDAY INTERDISCIPLINARY COLLOQUIUM

Thursday 22/12/2022

16:15-17:45

Adam McCollum, Rutgers

### Input- and output-oriented generalizations in Iny ATR harmony

A number of fundamental concerns have motivated linguistic theory within the generative tradition. In this talk, I consider three such concerns: explanation, typology, and computation. Significantly, these three goals are not equally well captured in the various phonological formalisms developed in the last half century. In this paper, I develop a computational analysis of ATR harmony in Iny (Ribeiro 2002, 2012) using boolean monadic recursive schemes (BMRS; Bhaskar et al. 2020) to account for the behavior of *icy targets* – elements that undergo but do not further propagate the harmonic feature. I argue that direct reference to input and output features values in BMRS enables a superior explanation for the data than is possible in other formalisms, notably Optimality Theory and its serial, rule-based predecessors.

Click [here](#) to see the colloquium program.