February 25, 2015: Omer Tamuz (MIT). *Stabilizer rigidity in irreducible actions of semi-simple Lie groups* (joint with Yair Hartman).

We consider irreducible actions of higher rank semi-simple Lie groups on probability spaces. Using the Nevo-Zimmer Intermediate Factor Theorem, we show that the action stabilizers, and all irreducible invariant random subgroups, are co-amenable in some normal subgroup. As a consequence, we derive rigidity results on irreducible actions that generalize and strengthen the results of Stuck-Zimmer.