JAN HUBICKA, Department of Mathematics and Statistics, University of Calgary
Ramsey lifts of classes of intersection graphs

Class $\mathcal{K}$ of finite structures is Ramsey if for every $A, B \in \mathcal{K}$ there exists $C \in \mathcal{K}$ s.t. for every 2-coloring of its substructures isomorphic to A with there exists an isomorphic copy of B in C where all copies of A are monochromatic. For example the class of graphs is not Ramsey. Nešetřil&Rödl proved that adding a linear order (lift) makes it Ramsey. A recent connection to topological dynamics motivated the classification programme of Ramsey classes. We extend the list by some intersection graphs classes.

This is joint work with Steve Chaplick, Jakub Jasiński and Jaroslav Nešetřil.