Title: Minimally transitive groups and a conjecture of Pyber
Abstract: Suppose that $G$ is a transitive permutation group, of degree $n$, but that $G$ needs a large number of generators (in terms of $n$ ). If possible, we would like to "reduce" the number of generators, whilst keeping our group transitive. More precisely, we would like to take a subset $X$ of $G$, minimal with the property that $\langle X\rangle$ is transitive. The question is: can we find a good upper bound for $|X|$, in terms of $n$ ? In this talk, we discuss the history of this question, including a conjecture of Pyber, and some new results.

We will also speak briefly about a generalisation of the minimal generation problem for finite groups, which has started to attract some recent work.

