ALICE KERR, University of Bristol
Loxodromic elements in right-angled Artin groups

The ability to quickly generate loxodromic elements in an action on a hyperbolic space is key to many statements about exponential type growth. In mapping class groups these elements are the pseudo-Anosovs acting on the associated curve graph, and here results of this type are already known. We will discuss how we can acheive similar results for the action of right-angled Artin groups on their associated extension graph, by using an embedding of these groups into mapping class groups.