The geometry of Dyer groups

Mireille Soergel
ETH Zurich
`mireille.soergel@math.ethz.ch`

One common feature of Coxeter groups and right-angled Artin groups is their solution to the word problem. I will introduce Dyer groups, as a class of groups sharing this feature. Then I will construct actions of Dyer groups extending both actions of Coxeter groups on Davis-Moussong complexes, and actions of right-angled Artin groups on Salvetti complexes.