Artin groups

Algebra, Garside theory

Combinatorial methods, algorithms, symbolic computation

Garside groups

Braid groups

Mapping class groups

Geometric group theory

groups acting on simplicial complexes...
Type of questions I am interested in:

Classical Dehn's problems: **Word problem** and **conjugacy problem** in Artin groups.

Finding **algorithms**, programming.

Cryptographical applications of group theory.

Questions about properties of **simplicial complexes** and how to use them.

I also like braided Thompson groups.