

Title: The dual approach to the $K(\pi, 1)$ conjecture

Abstract: I will discuss recent ideas that leverage the dual approach to understand non-spherical Artin groups. In particular, I will outline a proof of the $K(\pi, 1)$ conjecture for affine Artin groups, which is joint work with Mario Salvetti. The proof makes use of the dual presentations while mixing combinatorial, topological, and geometric arguments.