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*Homeomorphisms of surfaces and the fine curve graph*

In recent work, Bowden, Hensel and Webb studied a variant of the classical curve graph, whose vertices are all simple closed curves (not the classical version with curves up to isotopy!) In my talk I'll explain why this is a useful object and describe new joint work with the aforementioned BHW and Emmanuel Militon, that relates the dynamics of isotopically trivial homeomorphisms of the surface to the dynamics of their induced actions on this big curve graph, giving us new tools to study groups acting on surfaces.