Title:
Curve graphs for infinite type surfaces.

Abstract:
There are various graphs associated to surfaces (of finite topological type), constructed using curves or arcs, which have been very useful in the study of the mapping class group and of Teichmueller space (the space of hyperbolic structures on a surface). If the surface has infinite topological type (e.g. it has infinite genus), these graphs turn out to be not as interesting. I will discuss why and present an alternative construction which gives graphs with better properties.
This is joint work with Matt Durham and Nick Vlamis.