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Daryl Cooper and **David Futer*** (dfuter@temple.edu). *Ubiquitous quasifuchsian surfaces in finite-volume hyperbolic 3-manifolds.*

I will discuss a proof that every finite volume hyperbolic 3-manifold M contains a very large collection of immersed, π_1 -injective surfaces. These surfaces are *ubiquitous* in the sense that their preimages in the universal cover separate any pair of disjoint geodesic planes. The proof relies in a major way on the corresponding theorem of Kahn and Markovic for closed 3-manifolds. As a corollary, we recover Wise's theorem that the fundamental group of M acts properly and cocompactly on a cube complex. This is joint work with Daryl Cooper. (Received March 10, 2017)