1135-46-2186 **Michael Hartglass*** (`mhartglass@scu.edu`). *Weighted graphs as compact quantum metric spaces.*

I will present a canonical noncommutative C*-algebra that one can associate to any graph with a weighting on the vertices. I will show that this forms a compact quantum metric spaces in the sense of Rieffel, and describe partial convergence results in the area of quantum Gromov-Hausdorff distance. This is joint work in progress with Dave Penneys. (Received September 25, 2017)