1145-05-2165 **Charles Camacho**, **Silvia Fernández-Merchant**, **Marija Jelic**, **Rachel Kirsch**, **Linda Kleist**, **Elizabeth Bailey Matson** and **Jennifer White*** (jennifer.white@stvincent.edu).

Bounding the tripartite-circle crossing number of complete tripartite graphs. Preliminary report.

A tripartite-circle drawing of the complete tripartite graph $K_{m,n,p}$ is a drawing in the plane, where each part of the vertex partition is placed on one of three disjoint circles, and the edges do not cross the circles. The tripartite-circle crossing number $\mathrm{cr}_{c3}(K_{m,n,p})$ of $K_{m,n,p}$ is the minimum number of crossings among all tripartite cylindrical drawings of $K_{m,n,p}$. We bound $\mathrm{cr}_{c3}(K_{m,n,p})$ and $\mathrm{cr}_{c3}(K_{n,n,n})$. (Received September 24, 2018)