## Saturated subgraphs of multipartite graphs

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(joint work with Michael Ferrara, Michael Jacobson, and Paul Wenger)

Given graphs G and H, a subgraph J of G is H-saturated if H is not a subgraph of J, but the addition of any new edge from G to J completes a copy of H. In this talk, we present results on the minimum size of  $K_t$ -saturated subgraphs of complete balanced multipartite graphs. These results provide a contrast to recent results about the maximum minimum pair-wise edge density of  $K_t$ -free subgraphs of multipartite graphs.