

2013 SIAM Conference on Dynamical Systems

Part of [MS128 Collective Behavior and Synchronization in Complex Network](#)
Controlling Collective Behavior

Abstract. A key problem is how to apply a efficient control strategies so that a network dynamics is exploited to obtain a desired ordered collective behavior. In this talk, we address this issue and also present an adaptive decentralized pinning control technique that impose a desired dynamics to the network. We also assess the interplay between the synchronization state stability and the controller action to achieve the desired controlled dynamics.

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