**UNC–Chapel Hill Statement of Work**

Working closely with the prime site on this proposal, the UNC team will be primarily responsible for the development and application of state-of-the-art network science methods for analyzing the supply chain generated by the prime site. Dr. Boyd brings expertise in data science and network analysis, including community detection, multilayer networks, and modeling dynamics on and of networks. For example, Boyd has developed advanced structural analysis algorithms for directed networks, such as the ones considered in this grant. Moreover, his dissertation work advanced the understanding of nonlinear network dynamics and produced unique codes for scalable model fitting on networks with millions of participants. The UNC PI will also provide general expertise in network analysis and data science.