

A Graduate Student Project:
Exploring Networked, Organizational Structures

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In addressing agility and responsiveness, networked, virtual and online organizations have surpassed traditional organizations ([Agronoff, 2007](#)). Along with this revolution, novel management and structures of networks are required to utilize the network properties (Horling and Lesser, 2005; McLaughlan and hexmoor, 2009).

Social network analysis has provided tools and techniques to quantify interesting local as well as global properties of graphs of *nodes* and *ties* among individuals in a community (Wasserman and Faust, 1994). Despite the intuitive appeal of dynamics in networked organizations, methods for incorporating and exploring network properties are lacking. This research will address this gap.

References

Robert Agronoff, 2007. *Managing within networks: adding value to public organizations*, Georgetown University Press.

B. Horling, V. Lesser, 2005. *A Survey of Multi-Agent Organizational Paradigms*, UMASS Amherst.

B. McLaughlan and H. Hexmoor, 2009. *Influencing Massive Multi-agent Systems via Viral Trait Spreading*.

Approach:

1. Reorganization in Multi-agent Systems
2. Use Netlogo.