1135-60-2687   **Aric Hagberg*** (`hagberg@lanl.gov`). *Temporal Random Graphs and Reachability in Cybersecurity Networks.*

The complex relational data of networked computer systems naturally leads to modeling and analysis using graphs, or networks. Network science is also beginning to play a role in studying cybersecurity systems where the nodes and edges aren't just computers and communication links. I will give examples of cybersecurity network problems including the application of temporal random graph models to analyze centralized user authentication systems. (Received September 26, 2017)