

Presents the Seminar Series 2017

Steve Scheinert, Ph.D.

Public and International Affairs



“Anticipating Networks’ Role in the Deep Agent Framework: Linking Network Analysis and Agent-Based Models”

Thursday, November 30 • 9:00 a.m. – 10:00 a.m.
Engineering II, Room 310

Abstract:

A key component of the Deep Agent Framework and its modeling effort will be linking human behavior to online social networks. During the Research on Adaptation to Climate Change (RACC) project, the Vermont Experimental Program to Stimulate Competitive Research (ESPCoR), developed models to link organizational behavior to policy implementation outcomes through organizational network analysis and agent-based modeling. This project gave insights on the three stages of network behavior that must be modeled: baseline network change and development, resource flows through the network, and network structural response to interventions. In this talk, I will present on Vermont EPSCoR’s experience developing a network-based agent-based model for policy implementation and draw implications for building a similar model under the Deep Agent Framework.

Bio:

Dr. Steve Scheinert is an independent researcher focusing on computational social science and data science. He received his PhD from the Graduate School for Public and International Affairs (GSPIA), at the University of Pittsburgh, where he studied resilience and adaptation in the ad hoc organizational networks that emerge and respond to large-scale natural disasters, such as Hurricane Katrina and the 2010 Haitian Earthquake, and armed conflicts, such as the reconstruction effort following the Bosnian War. Dr. Scheinert recently completed four years as a postdoctoral associate at the University of Vermont, trying to deepen our understanding of how policy is implemented in networked governance.