

# Combinatorics Seminar

Thursday, October 6, 2011

1:50pm in Hume 331

**Dr. James Shook**

National Institute of Standards and Technology

## Affiliation Networks

### ABSTRACT

The actors of a social network can be grouped into affiliations. These affiliations could be interests, labels, or organizations that the actors share. Naturally, a bipartite graph can be constructed to represent the membership relationship between the actors and the affiliations. These bipartite graphs are known as affiliation networks. I will discuss the basics of affiliation networks and how they may be used to model social networks.