



# RUMA

Rutgers Undergraduate Mathematics Association

presents...

## CONNECTION GAMES. COOL STUFF.

A Lecture by Professor David Molnar

Dept. of Mathematics, Rutgers University

### ABSTRACT:

This is, at its root, a talk about finding Mathematics where you look. Since I like to play games, I tend to find Math there. (But this is not a talk about game theory.) I will tell you about some games – including Hex, Y, Star Y, and Atoll – known as *connection games* (because the goal is to connect things). So, even if you don't follow all the theory, you can leave with some new games to play. I will also prove, for at least one of these games, that draws are not possible. This has strategic implications. These proofs also make use, in one form or another, of the staggeringly popular Sperner's Lemma.

TUESDAY  
APRIL 30, 2019  
HILL 705 AT 7:00 PM

*\*Pizza and refreshments will be served*