

# The SUMO Speaker Series for Undergraduates

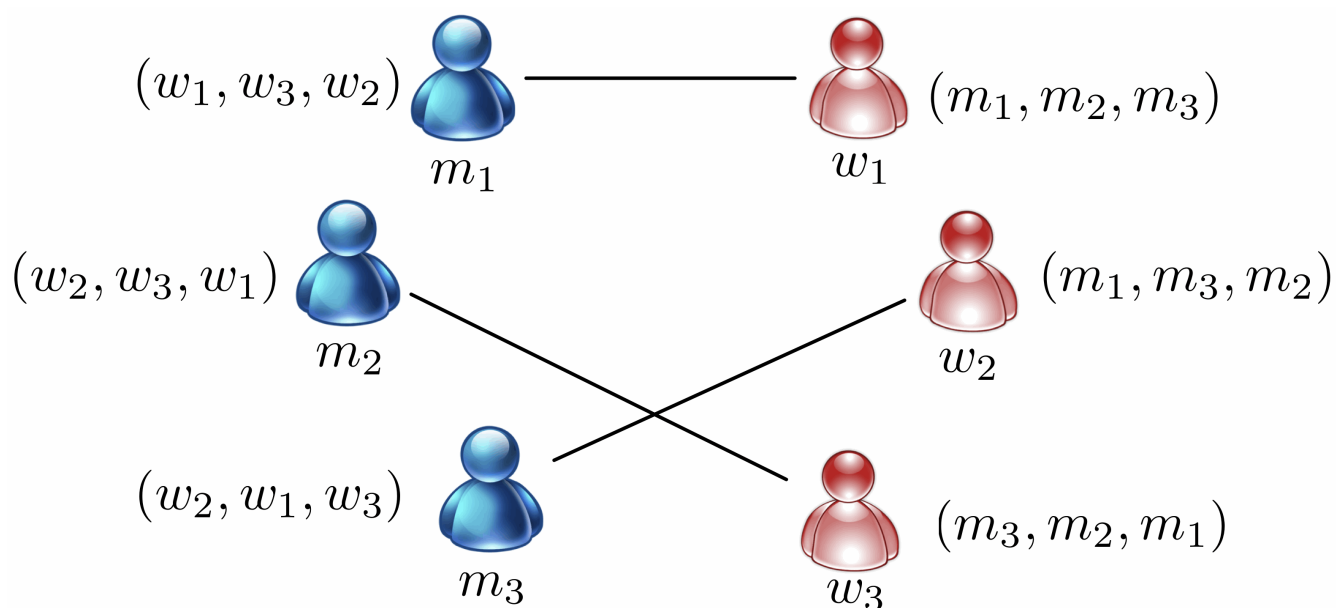
Thursday, November 8<sup>th</sup>

4:15-5:05, room 380C

(Food Provided)

## Nobel prizes and stable marriages

Professor Sourav Chatterjee (NYU)



### ABSTRACT:

The 2012 Nobel prize in economics was awarded to Lloyd Shapley and Alvin Roth for their work on the "stable marriage problem" and its applications in the real world. The subject began with a fundamental theorem of David Gale and Lloyd Shapley, proved in 1962 in an issue of the American Mathematical Monthly. In this talk I will explain the simple yet beautiful mathematics behind the Gale-Shapley theorem. Anyone interested in figuring out how to win a Nobel prize, or lead a stable married life, or both, is welcome to attend.

[sumo.stanford.edu/speakers](http://sumo.stanford.edu/speakers)