Feb 8  

**Serkan Hosten, SFSU**  

*Polynomial Equations from Mass Action Kinetics*

In this talk I will give a gentle expository introduction to methods of solving polynomial systems which arise from mass action kinetics, i.e. a system of differential equations describing the dynamics of chemicals reacting. Studying mass action kinetics is not new, however the polynomial system solving approach is fairly new. In the talk, I will follow the writings of Karin Gatermann who brought these applications to the attention of the symbolic computation community. I will give biological examples.