

**University of California, Irvine  
Statistics Seminar**

***The Challenge of Privacy Protection for Statistical  
Network Data***

**Stephen E. Fienberg  
Department of Statistics, Heinz College, Machine Learning  
Department, and Cylab  
Carnegie Mellon University**

**Friday, February 3, 2012  
11:00 AM - Noon  
Calit2 Auditorium  
(Bldg #325 on campus map)**

Statisticians and computer scientists have yet to deal with privacy protection for large-scale sparse statistical databases in an adequate and systematic fashion. I will review some of the traditional approaches to disclosure limitation used for more standard rectangular  $n$  by  $p$  data arrays and discuss them from the perspective of usability (freedom from systematic distortions), transparency (the provision of information bias and variability), and duality (balancing the risk-utility trade-off). Then I will explain why extensions of these approaches to the domain of network data pose even greater challenges and I review progress on the topic to date.

For directions please refer to <http://www.ics.uci.edu/about/visit/>  
For more information please contact Lisa Stieler at [lstieler@uci.edu](mailto:lstieler@uci.edu)