

SCIENCE SEMINAR

FRIDAY, JANUARY 23
KNOTT HALL B01
3PM

PRIVACY WITHIN GRAPHS AND SOCIAL NETWORKS

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THIS TALK WILL BEGIN BY DESCRIBING THE CURRENT STATE OF PRIVACY AND RE-IDENTIFICATION LITERATURE IN THE CONTEXT OF SOCIAL NETWORKS. WHILE WE GENERALLY THINK OF SOCIAL NETWORKS AS OPEN SOURCES OF DATA FOR REPRESENTING INTERACTIONS WITHIN A GROUP OF PEOPLE, MANY SOCIAL NETWORKS BEING ANALYZED TODAY ARE GENERATED FROM SOURCES WITH PRIVACY CONCERNS. EXAMPLES INCLUDE SOCIAL NETWORKS BUILT USING EMAIL CORRESPONDENCE, NETWORK IP ADDRESSES, AND MEDICAL RECORDS. THE TALK WILL INCLUDE DEFINITIONS OF DIFFERENT TYPES OF PRIVACY BREACHES AND EXPLORE