

Profiling User Interactions on Social Networks

Abstract:

Your presence on an online social network is governed by a set of privacy rules that you choose from a graphical interface. But is this all to it? Other than what you disclose willingly, how sure are you that people cannot learn more about you?

In this talk, we will describe our work in augmenting information on friend connections with information on user interactions. We will describe how the social network around you is shaped by your actions, and how much information that gives us when we are looking at you or your friends. We will show that most users live in a closed bubble of homophily, and this information can be used against their privacy. Throughout the talk we will describe the state of the art in privacy research and explain how governments and organizations pry data out of a social network.

Bio:

Cuneyt has an electrical and electronics engineering degree from Karadeniz Technical University. He was a Fulbright Scholar at the State University of New York at Buffalo, where he worked with Murat Demirbas on public opinion mining and sentiment analysis on microblogs. In 2014, he completed his Ph.D. at the Università Degli Studi Dell'Insubria, Italy, under the supervision of Elena Ferrari and Barbara Carminati. His Ph.D. studies focused on analyzing privacy effects of user interactions on online social networks. He has visited the Social Computing Group (Francesco Bonchi) at Yahoo! Research Barcelona (Summer 2012), and Data Security and Privacy lab (Murat Kantarcioglu) at the University of Texas at Dallas (Summer 2011).

Before starting his military service in 2015, he worked at the Data Analytics Group (Paolo Papotti) of Qatar Computing Research Institute for five months. After the military service he has joined the Technology Introduction Lab at Huawei Research Turkey, where he currently works.