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Dynamics and Learning on a Social Network

Wednesday, September 13, 2023

11:50 AM

110 Frelinghuysen Road, Hill Center, Room 552

Zoom Meeting: Meeting ID: 943 6913 4974

Password: 914221

<https://rutgers.zoom.us/j/94369134974?pwd=RGhlnHRlSlJEQUmaFBBSi83bjlXZz09>

Light refreshments will be served

Abstract: We live in a continuously changing world in which social interactions dynamically shape who we are, how we view the world and what decisions to make. Various social processes, naturally intertwined, operate on both the properties of individuals and social ties among them. In this talk I will survey work done in my group in the past 10 years starting from social influence and contagion -- how behaviors propagate in a social network, and will focus on two more recent topics: 1) how social contagions change data privacy in a network environment, 2) social tie and opinion co-evolution leading to the emergence of structural balance.

Bio: Professor Jie Gao is currently Professor in Department of computer science, Rutgers University. She was on the faculty of Computer Science department at Stony Brook University from 2005-2019. She received B.Eng from the Special Class of the Gifted Young, University of Science and Technology of China in 1999, Ph.D in Computer Science from Stanford University in 2004 and was a postdoc at Caltech from 2004-2005. She received the NSF career award in 2006, IMC best paper award (2009), EWSN best paper award (2021) and multiple Research Excellence Awards in computer science department of Stony Brook. She currently serves on the editorial board of ACM Transactions on Sensor Networks, International Journal of Computational Geometry and Applications and IEEE Transactions on Network Science and Engineering. She published over 150 referred papers in computer networking and theoretical computer science fields, and has graduated 17 Ph.D students.

