FORDHAM UNIVERSITY
THE JESUIT UNIVERSITY OF NEW YORK

Department of Computer and Information Science

Spring 2018 CISC 6930 Data Mining

Invited Talk

Applications of Behavior-based Authentication in the Business World

Speaker: Dawud Gordon, Ph.D.

CEO & Co-Founder at TwoSense, NYC

Date: April 23, 2018

Time: 5:30 pm

Venue: Leon Lowenstein (LL) 305

Abstract: This talk will look at the applications of behavior-based authentication in the business world and how it has been affected by research. We'll look at the field as a whole, and also at the vision for us at TwoSense, and demonstrate that this is a problem that is insoluble without the application of machine learning. We will then take a deeper look at the machine learning challenges that must be overcome, and a few novel solutions from our labs. We will then look at some of the lessons learned from deploying behavioral biometrics in the wild in product settings. From there, we will look at some research methodology issues that we've come across and conclude by proposing a few best practices for the behavioral biometrics community.

Speaker's Biography: Dr. Dawud Gordon is CEO & Co-Founder at TwoSense, a NYC-based cybersecurity startup working with Behavioral Biometrics. TwoSense uses Machine Learning to create a mobile AI that learns to recognize the user based on their behavior. This enables authentication that is actionless, so there's nothing you have to do, continuous, so it's always on even if you're not interacting with the device, and more secure than a fingerprint. TwoSense changes the fundamental paradigm of identity security away from making you responsible for proving you're the authorized user, to making the machine do the work for you. Dawud holds a Ph.D. in Computer Engineering from KIT in Karlsruhe, Germany for his work on using Machine Learning to recognize social group behaviors from sensor signals off of members' mobile and wearable devices. He has published over 30 peer reviewed papers and patents on related topics, won several awards for his research including Best Paper, and currently serves on the Programming Committee of the International Symposium for Wearable Computing (ISWC).

Refreshments will be served!

For more information about this Invited Talk, please contact Prof. G. M. Weiss at gaweiss@fordham.edu