ANALYTICS EXCHANGE 2018:
AI Applications in Cybersecurity and Quantum Computing

LOCATION DETAILS

Friday, May 11, 2018
8:30 AM – 5:00 PM

Northwestern University – Chicago Campus
Wieboldt Hall
340 East Superior Street
Chicago, Illinois
60611

TOPIC

This year’s Analytics Exchange covers two fast-developing areas of artificial intelligence application. During morning sessions, we’ll take a deep look at how advances in artificial intelligence have impacted cybersecurity. Speakers will discuss how machine learning is improving the detection and risk assessment of security breaches.

In the afternoon, we will learn more about a developing field with big implications for business: AI and quantum computing. Join us to hear from industry leaders, experts, and academic faculty about how machine learning is impacting their work in these two areas.

AGENDA

8:30AM – 9:00AM     REGISTRATION & BREAKFAST

9:00AM – 9:15AM     WELCOME & INTRODUCTIONS
Prof. Diego Klabjan, Director, MSiA
Shrilata Murthy ’14, Senior Consultant, Data Science, Deloitte

9:15AM – 10:00AM   OVERVIEW OF CYBERSECURITY AND AI
Prof. Philip Chan, Professor of Computer Science, Florida Institute of Technology

10:00AM – 10:15AM   BREAK
10:15AM – 10:45AM  **PRESENTATION ON CYBERSECURITY**  
*Michael Roytman,* Chief Data Scientist, Kenna Security

10:45AM – 11:15 PM  **PRESENTATION ON CYBERSECURITY**  
*Dr. Stefan Ulbrich,* Principal Artificial Intelligence Research Scientist, Acceptto Corporation

11:15AM – 12:00 PM  **PANEL DISCUSSION ON CYBERSECURITY AND AI**  
*Can AI Prevent the Next Equifax?*  
*Veronica Hsieh ’18,* Moderator

12:00PM – 1:30PM  **LUNCH**  
Discussions continue over catered lunch in the building.

1:30PM – 2:00PM  **STUDENT/INDUSTRY PARTNERSHIP PRESENTATIONS**  
Student groups will present the findings of their industry practicum projects.

2:00PM – 2:45PM  **OVERVIEW OF QUANTUM COMPUTING**  
*Prof. Elizabeth Behrman,* Professor of Physics, Wichita State University

2:45PM – 3:15PM  **PRESENTATION ON QUANTUM COMPUTING**  
*Michael Brett,* Chief Executive Officer, QxBranch

3:15PM – 3:30PM  **BREAK**

3:30PM – 4:00PM  **PRESENTATION ON QUANTUM COMPUTING**  
*Dr. Johannes Otterbach,* Quantum Engineer, Rigetti Computing

4:00PM – 4:45PM  **PANEL DISCUSSION ON QUANTUM COMPUTING AND AI**  
*Will Quantum Computing Cross the Chasm?*  
*Rishabh Joshi ’18,* Moderator

4:45PM – 5:00PM  **CONCLUDING REMARKS**  
*Lauren Gardiner ’18*
TRAVEL TO THE EXCHANGE

DRIVING
Traffic and street parking downtown are unpredictable. Be sure to allow adequate time for travel. There are several paid public parking garages near Northwestern’s Downtown Campus.

PUBLIC TRANSPORTATION:
The closest CTA station is the Chicago Avenue Red Line station on E Chicago Avenue and N State Street. Walk east on Chicago Avenue toward Lake Michigan for 12-15 minutes (about 0.6 miles); Wieboldt Hall will be on your right. The Chicago Avenue entrance street address is 339 E Chicago Avenue.