The Inevitable Uses and Risks of AI for Cybersecurity

Location | Engineering Building D ED417B, NYCU

Time | 14:00-15:00, April 7, 2023 (Fri.)

Speaker **Prof. Shanchieh Jay Yang**

Rochester Institute of Technology.

Host：Prof. Li-Chun Wang

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【Bio】

Dr. Shanchieh (Jay) Yang is a Professor in Computer Engineering and the Director of Global Outreach for the Global Cybersecurity Institute at Rochester Institute of Technology. His research focuses on advancing machine learning, modeling, and simulation for predictive cyber intelligence and anticipatory cyber defense. He has worked on over 20 sponsored research projects supported by NSF, IARPA, DARPA, NSA, AFRL, ONR, and ARO. His team has developed several system to combat cyberattacks, including PATRL to interpret cryptic cybersecurity text, HeAT to recognize cybertattack campaigns, R-CAD to recognize rare critical attack patterns, ASSERT to continuously learn and generate statistical attack models, CASCADES to simulate synthetic attack scenarios, and CAPTURE to forecast cyberattacks using unconventional signals in the public domain. He has published more than 70 peer-reviewed papers. He was a 2019 NSF Trusted CI Open Science Fellows and a 2020 NSF Trusted CI TTP Fellow. He received IEEE Region 1 Outstanding Teaching Award for outstanding leadership and contributions to cybersecurity and computer engineering in 2019 and Norman A. Miles Award for Academic Excellence in Teaching in 2007. He was also a co-chair for IEEE Joint Communications and Aerospace Chapter in Rochester, NY, in 2005, when the chapter was recognized as an Outstanding Chapter of Region 1.