

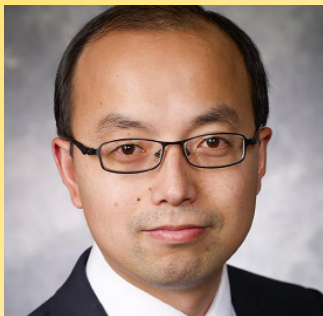
Computer Science Colloquium

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Friday, October 14, 2022

3 p.m. • Virtual via Zoom



Abstract: As near-range wireless communication technology, Bluetooth Low Energy (BLE) has been widely used in numerous Internet-of-Things (IoT) devices from healthcare, fitness, wearables, to smart homes, because of its extremely lower energy consumption. Unfortunately, the past several years have also witnessed numerous security flaws that have rendered billions of Bluetooth devices vulnerable to attacks. While luckily these flaws have been discovered, there is no reason to believe

that current Bluetooth Low Energy protocols and implementations are free from attacks, since Bluetooth Low Energy consists of multiple layers with various sub-protocols and components. In this talk, Dr. Lin will talk about a number of recently discovered security and privacy threats against the BLE, and the lessons learned from those threats.

Speaker Biography: Lin is a Distinguished Professor of Engineering in the Department of Computer Science and Engineering at The Ohio State University. Lin has published over 100 papers, many of which appeared in the top venues in cybersecurity. He is a recipient of Harrison Faculty Award for Excellence in Engineering Education, NSF CAREER award, AFOSR Young Investigator award, and Outstanding Faculty Teaching Award. He received his Ph.D. in Computer Science from Purdue University.

Read more and find the Zoom link at blogs.mtu.edu/computing.