CSDS 500 and ECSE 500
Fall 2021 Colloquium

11:30AM to 12:30PM
Tuesday, October 26, 2021
Hybrid: White 411 or
Zoom Webinar ID: 940 7438 8634
Passcode: 357363

" Making Smart Things Reliable, Interactable, and Really Smart"

Abstract

Eighty billion Internet-of-thing (IoT) devices are expected to deploy around us in 2025. While these devices provide unprecedented ability to see, hear, and feel the physical world, we do need to overcome many research challenges. In this talk, I will discuss these challenges in the following aspects: How to coordinate the enormous number of heterogeneous devices for reliable communication? How do these low-cost and energy-constrained devices interact with human? How to do non-intrusive sensing by using existing IoT devices and the signals generated by these devices? How to prevent privacy leakage from pervasive IoT devices.

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Bio

Dr. Zicheng Chi is an assistant professor in the department of Electrical Engineering and Computer Science at the Cleveland State University. His research focuses on fundamental networking, sensing, and energy-related problems for real-world applications in the areas of Internet of Things (IoT) and cyber-physical systems (CPS). In the past few years, he has published more than ten papers in the top-tier venues for networking and IoT (such as SIGCOMM, NSDI, SenSys, MobiSys, INFOCOM, ToN). His work won SenSys's best paper runner-up award in 2018 and was selected as the best paper award candidate in 2019.

This is to certify that _____attended this seminar. Certified by _____.
Certificates of attendance and other evidence of CPD activity should be retained by the attendee for auditing purposes.

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