



THE CHINESE UNIVERSITY OF HONG KONG
Department of Information Engineering

Seminar

Vehicular Apps: Opportunities and Challenges

by

Professor Sid Chi-Kin Chau
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Date : 25 August, 2014 (Monday)
Time : 11:00am – 12:00noon
Venue : Room 833, Ho Sin Hang Engineering Building
The Chinese University of Hong Kong

Abstract

While apps have emerged in everywhere from smartphones to wearable gadgets, one of the most potential up-coming platforms is vehicles, for empowering “software-defined vehicles” that are equipped with highly customizable computational intelligence and extensively personalizable configurability in the next generation vehicles. Such new developments open up several new frontiers for research. In this talk, I examine the opportunities and challenges that lie ahead in vehicular apps. I will introduce some related research projects in my group, including an open-source platform for vehicular apps and a real-time vehicle tracking app. At the end of this talk, I also present a few tricks and experiences about cybersecurity hacking into modern vehicles.

Biography

Sid Chi-Kin Chau is an assistant professor at the Masdar Institute in Abu Dhabi, UAE, which was created in collaboration with MIT. He researches in broad areas of networking, algorithms and systems, with applications on sustainability (e.g., smart grid, smart building, and intelligent vehicles). Previously, He was a visiting scholar at MIT, a senior research fellow at A*STAR in Singapore, and a Croucher Foundation research fellow at University College London, and a post-doctoral research associate at University of Cambridge. He received the Ph.D. from University of Cambridge and B.Eng. from Department of Information Engineering, the Chinese University of Hong Kong.

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