



**THE CHINESE UNIVERSITY OF HONG KONG**  
Department of Information Engineering  
*Seminar*

**Secure, intentional communications with mobile devices**  
By  
**Prof David Kotz**  
**Champion International Professor, Dartmouth College, USA**

**Date : 16<sup>th</sup> January, 2019 (Wed)**  
**Time : 9:45am – 10:45am**  
**Venue : Room 833, Ho Sin Hang Engineering Building**  
**The Chinese University of Hong Kong**

*Abstract*

Many mobile and wearable devices interact with their environment, with other devices, and with human users – and yet most of their communications occur invisibly via wireless networks. How can users express their intent about which devices should communicate – especially in situations when those devices have never encountered each other before? These devices are physically small, with limited computational resources and user interfaces, leading us to explore novel combinations of physical proximity and user interaction to ensure user intent in establishing and securing device interactions. In this talk we describe several recent research results, and their relevance to applications in medicine, healthcare, and the Internet of Things.

*Biography*

David Kotz is the Champion International Professor in the Department of Computer Science. He previously served as Interim Provost, as Associate Dean of the Faculty for the Sciences, as the Executive Director of the Institute for Security Technology Studies, and on the US Healthcare IT Policy Committee. His research interests include security and privacy, pervasive computing for healthcare, and wireless networks. He has published over 200 refereed papers, obtained over \$67m in grant funding, and mentored nearly 100 research students. He is a Fellow of the IEEE, a Distinguished Member of the ACM, a 2008 Fulbright Fellow to India, and an elected member of Phi Beta Kappa.

After receiving his A.B. in Computer Science and Physics from Dartmouth in 1986, he completed his Ph.D in Computer Science from Duke University in 1991 and returned to Dartmouth to join the faculty. For more information see <http://www.cs.dartmouth.edu/~dfk/>.

**\*\* ALL ARE WELCOME \*\***

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