

Wireless LAN: Mobility and Traffic Analysis

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Wednesday, 23 March 2005
Olsen 311
Refreshments at 2:30, Talk from 3:00-4:00

Wireless LANs are increasingly deployed because they are convenient, flexible, and relatively cheap. The ubiquitous wireless coverage enables anytime and anywhere information access and user interactions. In this talk, I will give an overview of the large-scale wireless-campus project at Dartmouth College. Since 2001, we have deployed more than 550 access points (AP) on campus, and we are moving into a second generation switch-based wireless architecture that will lead to more than 1000 APs to be deployed. In particular, I'd like to bring to your awareness of the large amount of measurement data we have collected from this network. The availability of this data has enabled many exciting research efforts in different fields, and I will discuss several projects that study user mobility, traffic workload, and network intrusions.

This is joint work with David Kotz, Tristan Henderson, Minkyong Kim, Libo Song, and Udayan Deshpande.

Bio:

Guanling Chen currently is an I3P Postdoctoral Fellow at Dartmouth College and will join Department of Computer Science at University of Massachusetts Lowell in the Fall. His research interests include pervasive wireless systems and cyber security. He completed his Ph.D. in Computer Science from Dartmouth College in 2004.