

# Facilities

## 1. Wireless campus

Understanding usage patterns in wireless local-area networks (WLANs) is critical for those who develop, deploy, and manage WLAN technology, as well as those who develop systems and application software for wireless networks and pervasive computing environments. The campus of Dartmouth College is completely covered by a Wi-Fi network using more than 500 access points over 161 buildings. Click [here](#) to find out more.

## 2. Versus technologies

We installed a IR-based location system in Suidkoff - our computer science department. The location system is provided by [Versus Technologies Inc.](#) who is also a partner of our [CMC center](#). Our 3-story department building has about 60 offices, labs, and classrooms. We deployed 61 IR sensors in most rooms (except one office due to resident's request, four machine and storage rooms, and six restrooms), and 18 IR sensors to cover hallways and stairways. Several large labs were partitioned into 2 or 3 zones with one IR sensor installed for each zone. The 7 RF sensors were distributed evenly to cover the whole building.