Abstract:
Knowing your location can open the door to many applications. For outdoor use, GPS is a reliable and cost-effective solution to pinpoint the location of a user. However, GPS does not work well indoors. In the last 15 years, many systems were developed to determine location indoors. However, reliable and accurate systems required specialized hardware and infrastructure. The popularity of WiFi lured many researchers to develop RF-based location determination systems using only the IEEE 802.11 wireless cards found on most laptops. This talk will overview indoor location techniques, discuss the difficulties developing accurate techniques, and present ARIADNE, a technique developed at Auburn.

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Reception following in Dunstan Study Lounge