ENGR 090 – Senior Design
Topic Selection Memo
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Advisor:
Professor Lynne A. Molter

Proposal:
For my E90 project, I would like to design and implement a wireless communication system to serve some practical purpose within a building. An option I am currently contemplating is to design a wireless intercom system for Hicks Hall. The intercom system would allow users in different rooms or someone outside the building to communicate with one another. A potential function that could be added to this intercom system is an unlock door feature. Although I would not design the mechanical implementations of such a feature, I may include it on the intercom system for future students to pursue. Potential wireless protocols that could be used for this project include radio frequency, infrared, or ultrasound.