Wireless Networks for Multi-Robot Communications Team
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Biweekly Report 4

Current Progress

We now have searching for light working successfully. Dynamic addition and removal of nodes is now funtional and working in the networking protocol. Nodes can now reenter the network when their previous node thinks they are gone and trys to invite a new node in their place. The network can now recover from anything that we do to try and confuse it.

Current Objectives

We are trying to achieve dynamic node addition and removal with the networking code. Also we need to try different rc values for the light searching algorithm. We also need to refine the dead reckoning algorithm to use shorter distances and smaller angles.

Finally we will need to integrate the separate algorithms into a single program. The light searching algorithm will need to use functions provided by the dead reckoning code. The dead reckoning code will need to call functions from the networking code to determine where all the bots are once the light is found.