

Notes for Autonomous Robotic Networks

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1 The Final Presentation (Taken from the Seminar)

The presentation should last 20 minutes with questions. Be ready to go from the get go. Have everything prepared in advance. Be ready to walk in and start talking. Have it on your laptop, your thumb drive, online, in PDF and normal format. Remember that your talk is not a thesis defense, a job interview, a classroom lecture, or some sort of paper meant to be read later. A good pace is about 1-2 minutes per slide. Remember that you should have about 1 slide on the motivation for your research.

The title slide should have the title and. Your opening statement should be planned. Include Thank the person who introduces you, introduce yourself and thank the audience of their attendance, acknowledge your school, collaborators, and give a short transition into your next slide.

2 Distributed Algorithms

This will be the last of the Bullo book for us. The Linear Combination algorithm has an alphabet $\mathbb{A} = \mathbb{R} \cup \text{null}$ and a process state $w \in \mathbb{R}$. See 1.6.1 from Bullo.

3 Some Interesting Problems

In general n -bugs will trace out logarithmic patterns that converge at a single point. This is the rendezvous problem. A more recent variant has applications to boundary guarding.