

Survey Overview

Peter Steenkiste

18-452/750

Spring 2021

What is a Survey

- A mini-lecture that introduces a topic in wireless networking to a knowledgeable audience
 - Students who have taken this course
- A typical survey includes:
 - Introduction of what the technology is about, possible impact, challenges to overcome, ...
 - Based on the three research papers, an overview of interesting capabilities and technologies
 - A (subjective) assessment of the state of the area and paper contributions
- A survey is not ...
 - A summary of the three papers
 - A description of claims, implementations,

Survey details

- Surveys are done by teams of two students
 - Both students are expected to work on the slides and to present
 - The presentation should be 20 minutes
- The handout has a list of topics with papers for each topic
 - You can propose to replace a paper but you need to get approval
- You can define your own survey
 - You pick the topic and the three papers
 - I have to approve the topic and papers
 - I need the papers at least three weeks before your survey so you have time to look for other papers if needed

Classes of Topics

- Wireless technologies: wireless technologies or application domains that not (or minimally) covered in class
- Wireless rules: lower level topics closer to the PHY
- Classic topics: a bit dated but interesting ideas

- I will be replacing some of the papers but the list of topics will not change much