Survey Overview

Peter Steenkiste
18-452/750
Spring 2020

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:
  • An 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 dates but interesting ideas

• I will be replacing some of the papers but the papers listed should help you decide what topic to pick