Mobile & Cloud Computing Seminar

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https://mc.cs.ut.ee/
Aim of the seminar

- Discuss research in the Mobile, Cloud and IoT fields
- Introduce students to newest advances in these fields
- Provide an overview of thesis topics from Mobile & Cloud Lab
- Preliminary platform for investigating prospective thesis topics
- Help students in preparing proper technical reports
- Help students in making proper presentations
Passing the seminar

• Choose a seminar topic (done)
  – Introduce the topic to others (done)

• **Give a presentation on the topic (30 minutes)**
  – Schedule the presentation time together with your supervisor
  – Teach us the essence of the topic and its challenges

• **Write a report on the chosen topic**
  – 5 pages ACM double column format

• **Peer review the report of 2 other students**

• **Participate actively in all the seminars**

• **Update seminar topic supervisor consistently**
Course schedule

• Schedule of the sessions
  https://courses.cs.ut.ee/2019/mcsem/spring

• Submit presentations, report, reviews through this web site

• Related courses
  – LTAT.06.009 - Mobile Computing and Internet of Things (6 ECTS) - Current Autumn semester
  – LTAT.06.008 - Cloud Computing (6 ECTS) – Spring 2021
Seminar presentation

• Introduce and **teach** your topic to everyone else in the seminar

• Length:
  – 30 minutes
  – 20-35 slides **MAX**
  – ~15 minutes for questions

• 2 students per week
Suggested structure

1. **Introduction to the Topic**
   - What makes it important (impact), interesting to you (motivation)

2. **Background of the topic**
   - Introduction to background sub-topic(s)
   - Try to avoid overlap with other students
   - Focus on more unique sub-topics

3. **Previous work done in the field**
   - Describe previous research articles, projects, existing solutions
   - Pick most interesting article to focus on or summarize a set of articles/solutions

4. **Main challenges and future directions**
   - What needs to be solved, what could be potential thesis topics
How to captivate listeners

• Use visual materials, diagrams, illustrations
  – Diagrams instead of tables
  – Tables only when specific values are important
  – Use simulations if it makes sense

• Try to base your presentation on an illustrative example
  – If the essence of your topic/problem is clearly illustrated with a simple example and early, then it is easier to understand and follow
  – Best way to avoid your talk being too abstract
  – Best way to explain to listeners what this topic means in practice

• Use humor (in reason)
Mistakes to avoid

• Too many slides
  – Giving no time for listeners to absorb information

• Too much information on a single slide
  – Huge paragraphs of text (Slides are not your teleprompter)
  – More than 7 bullet points
  – Multiple different diagrams

• Talking too fast

• Very messy structure
  – Use logical and clear flow between slides

• Too complex formulas, tables
  – Leave them for the report.
Mistakes to avoid

• Too complex formulas, tables
  – Leave them for the report
• Diagrams missing axis labels, units, values
• Too complex images where details are not visible without zooming in
• Not rehearsing, making last minute big changes
• Not showing & visualizing data you are talking about
• Using dark backgrounds and colored fonts together
What should you try to achieve?

• Try to put yourself in the listeners shoes
  – Is the presentation clear and understandable?
  – Would they feel they have learned something new and useful?
  – Would they find your presentation interesting?
THANK YOU