

Seminar Fall 2019

Research Topics in Software Engineering

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<https://acl.inf.ethz.ch/teaching/master-seminar/2019/>

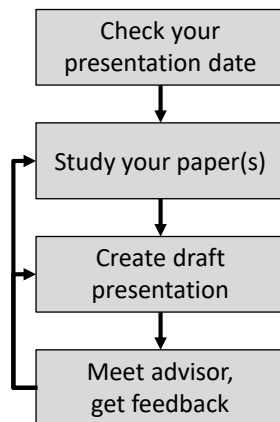
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Objectives

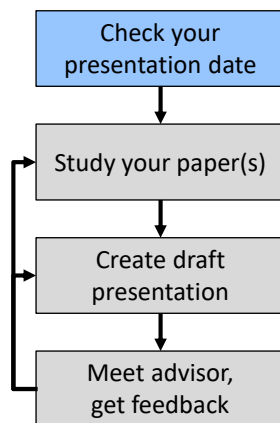
- Learn how to *present* technical work
- Learn how to *understand* and *assess* research papers
- Learn about *research* directions in the area

- We have no specific subtopic this year

Preparing a Talk

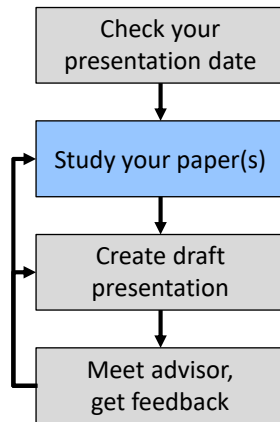


Preparing a Talk: Start Early



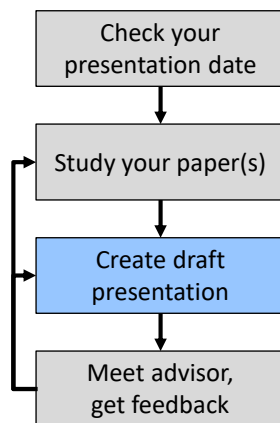
- Preparing a good presentation takes time
- Start early!

Preparing a Talk: Study Paper



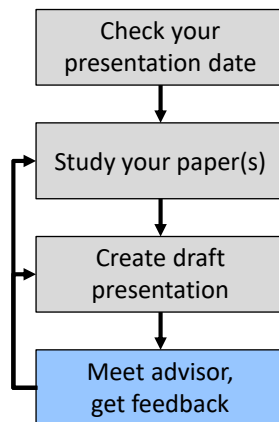
- **3 'C's of reading**
 - *Carefully*: look up terms, possibly read cited papers
 - *Critically*: find limitations, flaws
 - *Creatively*: think of improvements
- **Try examples by hand**
- **Try software associated with paper if available**
- **Consult with TA if questions**

Preparing a Talk: Create Draft



- **Explain the motivation for the work**
- **Clearly present the technical solution and results**
 - Use your own example, not the one in the paper
 - Create your own visualizations
 - Include a demo if appropriate
- **Outline limitations or improvements**
- **Focus on the key concepts**
 - Do not present everything
 - Focus on the key ideas and technical parts and explain them well
 - Do not trivialize

Preparing a Talk: Get Feedback



■ Prepare for the meeting

- Schedule early
- Send slides (complete draft) in advance
- Write down questions

■ Make sure you address feedback

- Take notes

■ Meeting is mandatory!

- At least one week before the talk

Grading

■ Quality of your presentation

- How well did you understand the material?
- How well did you present it?
- How well did you answer the questions ?

■ We will take into account:

- the difficulty of the paper
- suggestions you received from your TA
- time you had to prepare

■ Participation in rest of seminar

- Did you ask good questions?
- Did you attend all sessions?

Feedback

- We will discuss strengths and weaknesses of your talk in class
- Arrange a meeting with your TA to get feedback

Schedule

- We will meet once a week, with two presentations per session
 - *Next meeting on October 8*
 - 22 presentations in total
- Website with detailed information (Read!) and schedule
 - <https://acl.inf.ethz.ch/teaching/master-seminar/2019/>