



DB&IS Seminar
Sommersemester 2017

Lehrgebiet Informationssysteme
TU Kaiserslautern

Aim of This Seminar

- How to critically read a research paper.
- Preparing a presentation for giving a talk on that research paper.
- Learn about novel concepts and recent developments of database and information systems.

Organizing Groups

Databases and Information Systems (DBIS)

Heterogeneous Information Systems (HIS)

For email addresses and rooms see websites:

`http://dbis.informatik.uni-kl.de`

Main contact for organizational matters: Manuel Hoffmann
(`mhoffmann@cs.uni-kl.de`).

Organization

Because of too many registrations, we have two “seminars”, each of 9 students.

- Presentations are given separately in two partitions P_1 and P_2 .
 - Students assigned to the same paper can talk and discuss but copying each other slides is strictly not allowed.
 - Students are not allowed to attend the presentations from other slot.
- Visit our [webpage](#) for all the deadlines and informations.
- Detail schedule for presentation will be uploaded in webpage later.

Organization

1. Reading and Understanding



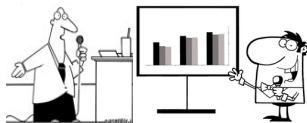
2. Slide Preparation



3. Peer Reviewing



4. Moderating & Presenting



Organization: Reading and Understanding the Paper

- Two more weeks for understanding the authors' contributions.
- Guideline for reading and understanding:
 - Recognize the research problem the authors have addressed.
 - Understand the authors' contributions to the problem.
 - Raise appropriate questions and find limitations of the paper.
[e.g., are authors' assumptions to propose the solution reasonable?,
is the logic of the solution justifiable?,
is there any simple way to approach to the solution?, etc.]
- Have a look on the related works of the paper for better understanding of the scope of the research problem.
- Think: Your tutor might ask you to tell in 4-5 sentences what the paper is about.

First Appointment with Your Tutor

- Schedule an appointment with your tutor, to take place **not later than 5th May**.
- Before that meeting, write a short summary (5000-5500 characters, using the provided template) mentioning:
 - Motivation of the work.
 - Main idea behind the proposed system or algorithm.
 - Describe three things you like or dislike about the paper.
 - The questions arise from critical reading.
- Send the summary to the tutor before the appointment.
- Send the intended outline (incl. rough timeline; included in the provided template) of your presentation, to discuss it with your tutor.

First Appointment with Your Tutor

- Each student should show a solid understanding of a paper and outline of the presentation slides.
- If your paper requires more background, refer to
 - Textbooks
 - DBLP, Google Scholar, ...
 - Wikipedia
 - ...
- If your understanding of the paper is too weak, you will not continue this seminar!

Organization: Slide Preparation

- Almost one month for making slides (Powerpoint, Beamer, ... – just make sure, you can export them as PDF)
- If you put it into your slides, you have to be able to explain it.
- Consult with your tutor for any difficulties in slide preparation.
- Send your finished version of the slides to peer students and the tutor **at latest 2nd June**.
- This version should be have **no open TODOs** and be ready to present!

Organization: Slide Preparation

Good Practice

- Mention slide numbers.
- Cite papers correctly.
- Put reference to the source of copied figures, equations, etc.
- Try to avoid including long sentences in your slides.
- Examples and figures are more preferable.
- Remember: You are the expert at your paper and the other students should learn something from you.

Organization: Peer Reviewing

- Peer students will be assigned by us by end of the year.
- Provide feedback to your peer student's slides **within 30th June**.
- Now, sit back and wait for the reviews.
- Incorporate the reviews into your final presentation.
- **Send the final presentation to tutor and peers before seminar presentation.**
- **Each student should have now their final presentation for the seminar.**

Organization: Presentation

- 45 min. will be assigned to each student for his/her talk on the assigned paper following a 15 min. Q&A session.
- Slides must be in English.
- Peer student as a moderator should introduce the speaker and lead the Q&A session.
- All students ask questions.
- Prepare a couple of own questions (as fallback).

Submission of Final Report

- Submit a short report (not longer than 4 pages). Report should include:
 - Motivation and problem statement.
 - Brief discussion on main approach and experimental results.
 - Conclusion of the work in your own words mentioning strong and weak points of the paper.
- **Do not copy and paste from the paper.**
- A \LaTeX template will be provided.

Organization: Grading / Passing

Grading/Assessment based on

- Quality of presentation slides and ability to explain the work of the assigned paper.
- Ability to answer and discuss the questions raised in Q&A session.
- Performance in engaging yourself in others' Q&A session.
- Evaluation on 4-pages report.
- Participation in general in the seminar as a moderator or peer reviewer.

Organization: Grading / Passing

Attention!

- **Missing deadlines will not be accepted.** All deadlines with respect to local time zone (Kaiserslautern).
- **Plagiarism** of any kind will make you fail.
- Attend all the talks **only from your own group**.
 - In case of absence please contact beforehand with valid reasons (e.g., illness or exams).

Summary

- 5th May.: Paper is completely understood, first meeting with tutor is done and summary submitted
- 2nd June: Excellent presentation slides are for finished
- in between: We announce peering partners
- 30th June: Helpful peer-review feedback provided
- *Probably up to 07th July:* Peer-review feedback incorporated and final presentation submitted
- *Probably somewhere 11th – 21th July:* Nice presentations with lively discussions
- *Probably two weeks later:* Final report is submitted

Thank You for Your Attention!

