SEMINARS
SELECTED TOPICS IN COMMUNICATION MANAGEMENT
SELECTED TOPICS IN IT SECURITY
INTRODUCTORY MEETING

University of Bonn
Institute of Computer Science 4

Prof. Dr. Peter Martini
Prof. Dr. Michael Meier

Winter term 2021/22
Goals:
- Getting familiar with a topic in a limited time frame.
- Writing a good report.
- Giving a good presentation to a group.

Components:
- Written report of approx. 10 pages (an (ACM) template will be provided)
- Review of ~two other reports. For this part you will use a conference management system. We will inform you on time via e-mail.
- Presentation (~30-minute talk, 15-minute discussion).
- Lots of interaction with your advisor and fellow students.
• Steps:
  
  – Register for the seminar (until **End of October** in BASIS) under one of the following module numbers:
    – Selected Topics in Communication & Communicating Devices: MA-INF 3209
    – Selected Topics in IT Security: MA-INF 3317
  
  – This is your first important deadline! Care about the registration!

  – Initial meeting (today).

  – Structure your work, write the report, review other’s reports, prepare the presentation (guided by your advisor).

  – Presentations (“Blockseminar”, all presentations are given within one day: *tba* in room U1.039, Endenicher Allee 19A; - or via videoconferencing - exact time will be announced timely).
• Seminar Mailing list: [STITS][STICM]
  – Module numbers for BASIS registration will be sent via email.
  – A 2\textsuperscript{nd} seminar has to be made using another module number than the 1\textsuperscript{st} one.

• Seminar Websites:
  – Seminar MA-INF 3209 “Selected Topics in Communication Management”
    https://net.cs.uni-bonn.de/wg/cs/teaching/wt-202122/sticm/
  – Seminar MA-INF 3317 “Selected Topics in IT Security”
    https://net.cs.uni-bonn.de/wg/itsec/teaching/wt-202122/stits/
TIME SCHEDULE
TIME SCHEDULE (YOUR DEADLINES)

- **Today:** Introductory meeting

- **October:** Registration in BASIS

- **14 November:** Document outline
  - literature research is done at this point
  - you already know what you want to write in each section

- **28 November:** Complete report draft
  - final report, as you would want it to be graded
  - correct citation/referencing, no grammar or spelling mistakes

- **5 December:** You receive comments on your report from your advisor

- **19 December:** Complete report, ready for peer-review
  - you read, understand and comment on two other reports
  - You receive reviews from your classmates and your supervisor.

- **9 January:** Reviews done

- **14 January:** Complete report, final version

- **17 January:** Slide set for your presentation

- **21 January:** Final presentation
REGULATIONS AND MARKS

− You will receive a mark for the seminar based on:
  − the written report (substance, presentation, language, ...)
  − the reviews (understanding, quality of comments, ...)
  − the presentation (scientific presentation, reduction to main aspects, understanding, ...)
  − the discussion (ability to explain, understanding)
REGULATIONS AND MARKS

- The “Examination Rules for the Masters Degree Course in Computer Science” (i.e., the unofficial translation of the “MaPO”, January 2012) say:

§ 11(5): “Examination results in seminars will relate, as a rule, to written papers and oral discourses relating to partial areas of the subject matter dealt with in the seminar.”

§ 16(3): “Seminar discourses document the candidates’ ability to present scientific results in a comprehensible manner and to explain them in a discussion.”
SEMINAR SUMMER TERM 2020

Questions?

- Organizational: Matthias Wübbeling
  cs4-seminars-labs@lists.iai.uni-bonn.de
- About your topic: Your advisor

Dates:

- Presentations: exact time t.b.a.
- Submission of written report (final): Friday, Jan 14th 2022
  These are firm dates!
- Main literature sources:
  Your advisor will send you an email containing further information about your topic.
REVIEW PROCESS
Peer review is the evaluation of papers by other researchers to the writer of the work to maintain quality (and improve the paper).

1. Write your paper
2. Submit paper
3. Review other papers
4. Submit reviews
5. Receive reviews
6. Improve your paper
SOME ADVICE
ADVICE: DEADLINES (1/2)

- Deadlines have to be kept!
  - Official deadlines (see previous slide on deadlines)
  - Any appointments and deadlines agreed upon with your advisor, e.g.,
    - first meeting
    - weekly meetings
    - intermediate report deadlines
  - Time management is important!
ADVICE: DEADLINES (2/2)

- A complete version is meant to be complete!
  - Submit a complete report without empty sections or paragraphs.
  - Include a full list of proper references and sources.
  - Make sure your text is free of spelling and grammar mistakes.
ADVICE: GUIDANCE (1/2)

- Contact your advisor:
  - Let your advisor approve your work.
  - Discuss the structure of the report with your advisor.
  - Discuss your presentation slides with your advisor.
  - Ask your advisor for help if you have questions or want to improve your understanding of the topic or you are unsure about proper citing/referencing.
ADVICE: GUIDANCE (2/2)

- Consider the feedback you receive:
  - Take notes during the meetings with your advisor.
  - The suggestions by your advisor are meant to improve your work. However, in general only you are responsible for your work.
  - Exception: change request by your advisor. Ignoring a change request may result in a failed seminar.
ADVICE: GUIDANCE

1 Why?

The guideline for composing master theses, seminar papers and lab reports was inspired by the observation that, in the process of their work, students often report, the more naturally that could easily be avoided. The background, the idea for this guideline, was born with the intention to elucidate and, rather, of course, not true input, and provided enough with a set of techniques for composing scientific texts which have proven every effective for improving the presentation of concepts as well as for their comprehensibility for the reader.

1.1 The Purpose of a Lab Report

Preparing the report is an essential part of every lab offered for one work group during the entire study period. The report should give the reader a detailed picture of what was accomplished.

- which task was tackled during the practical session;
- which challenges had to be coped with in order to accomplish the task.

The report is not a protocol of procedures, i.e., it should not provide a detailed listing of all steps made in order to solve the problem. It is rather a documentation of solutions and should also motivate why this particular solution was chosen. For good reasons. However, the description of the implemented solution must strengthen each reference.

Purpose of a Seminar Paper

A seminar paper should summarize in short the vital aspects of a given subject. Since in text sources usually summarizes the admitted paper volume by far, it is the author to enhance the essence to the relevant facts. The paper should contain the author’s own words and not be literally copied from the original text. Paraphrasing applies to text sources in foreign languages. Literal translations may to recognize for the simple reason that they are difficult to read except for the purpose of the nature. One of the courses for using literal that the original text could not be understood. If this is the case, rather less for help, that is what he is there for. Other popular excuses like he so excellent, I could not have said it better, certainly do not require present.

Purpose of a Master Thesis

A MPo (medium of study) of 2006 (MPIO), the Master thesis is based on a problem from the German language MPIO:

Das Meisterarbeit ist eine wissenschaftliche Prüfungsaufgabe, die dem

- Prüfung in der Lage ist, durch den vorgegebenen Text ein
- Gehen des Studiums, schließlich noch wichtige Inhalte
- Erarbeitung einer Lösung anzuführen und diese umzusetzen

Englisch meaning would be:

Master thesis is expected to show that the student is capable of applying scientific methods to a problem in the field of research within a limited period of time, proving his aptitude for scientific work.

reviewed on the basis of the written elaboration handed in by the

for the student’s insight it is recommended to form not only an

an appealing form of their presentation. Normally, the

presented insight must be not only a possible grading, the form of presentation can be of vital
ADVICE: CITING AND COPYING (1/2)

- Goal of the seminar:
  - Describe a topic in your own words, based on existing scientifically valid sources.

- Citations and figures:
  - Clearly indicate citations, e.g., when you cite opinions of others or results obtained by others.
  - Do not cite excessively!
  - When “citing” figures:
    - reference the original work,
    - draw the figures yourself, and
    - include only relevant parts.
ADVICE: CITING AND COPYING (2/2)

- Work scientifically or fail the course:
  - Copying (even if slightly modified or rearranged) without citing the original work leads to a failed seminar.
  - Simply translating from other works is equal to copying.
  - Excessive citing may lead to a failed seminar.
  - Know the difference between citing and referencing.
    - If you don’t: ask your advisor!
ADVICE: AVOID PLAGIARISM
(1/2)

− What is plagiarism?

− To steal and pass off the ideas or words of another as one's own. (Merriam-Webster Online Dictionary)

− Use another's production without crediting the source.

− To commit literary theft.

− Present as new and original an idea or product derived from an existing source.
How do I avoid it?

- Do not copy, paraphrase, translate, or summarize from any source without documenting adequately and truthfully.
- Do not quote excessively, such that the quoted material makes up significant portions of your work. This applies even if you give credit!

Consequences

- If plagiarism is in evidence, you fail the lecture, seminar, thesis, etc.
- Plagiarism may become expensive (see MaPO):

§ 13(9): „Any intentional violation of a regulation of these examination rules [...] will be regarded as an offence. Such an offence may be punished by a fine of up to 50,000 Euros.“
- Use the LaTeX document class for the final report.
  - Downloadable from the websites of the seminars.
- List of references:
  - Give a complete list of all sources used.
    - Author and title.
    - Type of publication.
    - Date.
    - For online sources: state when you last checked the contents.
  - When in doubt, ask your advisor!
ADVICE: SOURCES, REFERENCES AND STYLE (2/2)

- Choose sources carefully:
  - Use the sources indicated by your advisor, and look for further sources yourself.
  - Be aware that some sources may be unreliable or change frequently (common example: to cite or not to cite a Wikipedia article).
  - When in doubt, again, ask your advisor!