

LABS
COMMUNICATION & COMMUNICATING DEVICES
IT SECURITY

# INFORMATION AND ADVICE

**University of Bonn Institute of Computer Science 4** 

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

winter term 2022/23





## **GOALS OF A LAB**

- Register in BASIS before 31 October for one of the following modules:
  - Lab Communication & Communicating Devices: MA-INF 3304
  - Lab IT Security: MA-INF 3229
- Get familiar with a topic within a limited time frame.
- Work scientific and practical.
- Prepare a written report of 5-10 pages and, if required, a Software documentation.
  - Have a look at the Seminar's Guidelines.
- Submit your work to your supervisor until 20 March 2023.
  - If there is no different agreement, the final submission is done via email to your supervisor
- Prepare a presentation of your work, ideally including a demo.
- Present your work in a presentation (oral exam) of ~30 minutes: planned on March 31st 2023 from 10 to 15 o'clock.
- Keep yourself informed: Read the emails of the lab's mailing list.



## **GUIDELINES FOR LAB REPORTS**

### Guideline for the Composition of Master Theses, Seminar Papers and Lab Reports

Rheinische Friedrich-Wilhelms-Universität Bonn Institut für Informatik IV

Prof. Dr. Peter Martini and staff

28.03.2012

#### 1 Why?

This guideline for composing master theses, seminar papers and lab reports was inspired by the observation that, in the process of their work, students often repeat the same mistakes that could easily be avoided. On this background, the idea for this guideline was born with the intention to reduce your (and also, of course, our) time input, and was norm sense use insentions to remain your (must need, to something the provide you with a set of techniques for composing scientific texts which have proven very effective for improving the presentation of contents as well as as their comprehensibility for the reader.

### 1.1 The Purpose of a Lab Report

Preparing the report is an inherent part of every lab offered by our work group during the main study period. The report should give the reader a detailed picture of

- which task was tackled during the practical exercises,
- which challenges had to be coped with in order to accomplish the task,
- in what way and how well these challenges were mastered.

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 d solution and should also motivate why this particular solution was chosen. ppropriate to also mention other possible solutions that were tried but lateron for good reasons. However, the description of the implemented solution must

#### Purpose of a Seminar Paper

aper should summarize in short the vital aspects of a given subject. Since he text sources usually outnumbers the admitted paper volume by far, it is t the author to reduce the sources to the relevant facts. The paper should the author's own words and never be literally copied from the original text. ticularly applies to text sources in foreign languages: literal translations sy to recognize for the simple reason that they are difficult to read; apart y simply miss the point of the matter. One of the excuses for using literal that the original text could not be understood. If this is the case, rather utor for help – that is what he is there for. Other popular excuses like tas so excellent, I could not have said it better" certainly do not require

#### rpose of a Master Thesis

e MaPO (conditions of study) of 2008 [MPO08], the Master thesis is ual quotation from the German language MaPO):

Die Masterarbeit ist eine schriftliche Prüfungsarbeit, die zeigen r Prüffing in der Lage ist, innerhalb einer vorgegebenen Frist ein dem Gebiet des Studienganges selbständig nach wissenschaftlichen u bearbeiten, einer Lösung zuzuführen und diese angemessen

inglish meaning would be:

laster thesis is expected to show that the student is capable utly applying scientific methods to a problem in the field of mee within a set period of time, proving his/her aptitude for

reviewed on the basis of the written elaboration handed in by the for the student's own benefit it is recommended to focus not only t also on an appealing form of their presentation. Normally, the influenced by formal aspects of the thesis. If, however, we have to en two possible gradings, the form of presentation can be of vital

Available online