

# Guidelines for the seminar

## *„Security and Privacy in the Information Society“*

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This seminar has the objective to discuss the role of new technologies in Informatics from a privacy and security perspective with regard to enabling new modes of operation in energy systems, known as smart grids or other modern services, e.g. business processes, or even advanced machine learning applications. A useful management of renewable energy is only possible if demand and supply can be matched. This requires the collection, storage and processing of data, including personal data. In other applications, the detection of fraud or the intention to manipulate user behavior is the core target of contributions. Additionally, the seminar aims at giving the opportunity to practice the systematic analysis of scientific texts.

## Tasks

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Participants of the seminar have to create a report on the assigned topic in form of a written report. The report has to be presented in a 20-minute presentation during the seminar presentation appointments.

## Written Report

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**Each participant has to write a report (5-8 pages) on the assigned topic** consisting of a summary of the content (that may also embed a use-case) and an evaluation of the presented work.

The summary explains the research gap addressed and the authors' approach to the problem as well as the solution they present. In the evaluation, the approach and the results presented in the papers regarding the topic are challenged and discussed. Additionally, the papers relevance to the field is evaluated. To that end, literature referenced by the topic description and the papers can and should be studied (Tip: Google Scholar). In the evaluation, it is important to present a subjective and reasoned opinion on the topic. Any argument or text taken from other sources has to be quoted according to accepted standards. Otherwise, the work will be considered as plagiarism and the report is evaluated as failed.

## Presentation

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Every participant must present his results in form of a **20-minute presentation in English**. Usage of slides (PowerPoint, LaTeX or comparable) is recommended. In the presentation, the written report's contents have to be presented in a way reflecting their importance. The presentation will be followed by a 15-minute phase of discussion.

## Additional requirement

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As a preparation for the discussion phases, every participant has to read the basic literature of all four subject areas given in the topics document (<http://files.telematik.uni-freiburg.de/ext/Topics->

## Formalities

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- The participation in all seminar meetings is **mandatory**, namely:
  - Introductory meeting on October 17th 2017, 10:00 c.t., Room SR 01 016 (Building 101).
  - The topic assignment meeting on October 24th 2017, 10:00 c.t., Room SR 01 016 (Building 101)..
  - Each of the presentation appointments.
- To hand in the written report in due time, it has to be send via email **no later than January 9th, 2018 at 3pm** to the seminar's contact person.
- Additionally, the written report has to be handed in on paper to Prof. Dr. Dr. h.c. Müller's office or to the seminar's contact person **at the same deadline**.
- The dates for the presentations will be announced (probably starting in January until the beginning February).
- Basically, the written report should be created **according to the rules of scientific work** (see document: [http://files.telematik.uni-freiburg.de/ext/Scientific\\_Work.pdf](http://files.telematik.uni-freiburg.de/ext/Scientific_Work.pdf)), be well readable and structured lucidly.
- The written report has to be written in LaTeX using Bibtex. To ensure consistency and comparability of the written report's form, usage of the ACM style is mandatory (template available in ILIAS). The report also has to be handed in as a PDF document together with all associated source files.
- Illustrations have to be captioned and (in case they contain text) readable.
- The title page has to contain the name of the university, the sentence "Submitted to Prof. Dr. Dr. Müller" followed by the institute's name and the label "Seminar Paper". Besides the title of the report, the title also has to contain the following: the author's name, the author's post and email addresses, the author's Matrikelnummer and number of semesters as well as the report's date of delivery.