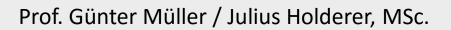
Seminar

Security and Privacy in the Information Society

8

- Co-Evolution of Society and Technology as a Requirement for Resilience



Institut für Informatik und Gesellschaft (IIG) – Abteilung Telematik

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Resilience by Co-Evolution Society and Technology

- The focus of the seminar is not the plain technology but the way it impacts resilience and is a co-evolution with societal progress.
- Olympic ideals (higher, faster, better) important, but not whole story.

Is there Technology Enabling Privacy in Smart Grids? The gathering of consumption data by using intelligent meters (Smart meter) required f

The gathering of consumption data by using intelligent meters (Smart meter) required for operation and coordination threatens the households' privacy.

Machine Learning: A new Challenge for Privacy?

Machine learning maybe seen as a reversal of long custom where the user learns how the machine works, instead the machine learns from the user exploiting stored data and predicting future behavior.

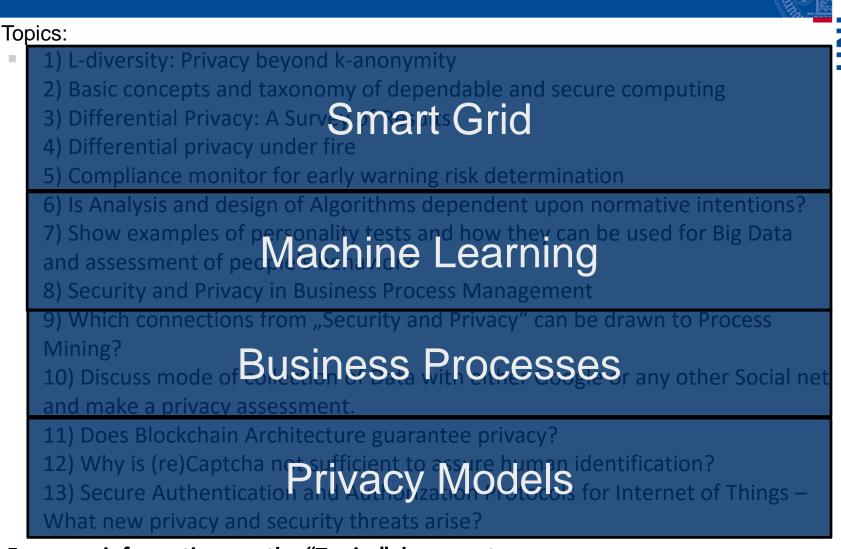
Paradigm Shift in Business Process Security?

This topic discusses process analysis with regard to process management as well as process mining.

Assure all Models of Privacy complete Privacy?

Privacy includes the concealment of personal information as well as the ability to control what happens with this information. The right to privacy can be considered either as a basic and inalienable human right, or as a personal right or possession.

Selected Seminar Topics for Resilience



For more information see the "Topics" document.

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How to get a Grade

- 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 (50%)
- Presentation (40%)
- Discussion Prepearation (10%)

Formalities (see slides for scientific correctness)

Tasks:

- Written report
 - Discussion of the structure/content with the supervisor
 - Adherence to the formalities (guidelines on the website)
 - Adherence to the rules of "scientific writing" (see slides for scientific work)
- Presentation
 - Presentation of your results (ca. 20 minutes)
- Additional requirements
 - 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.

Materials

<u>https://www.telematik.uni-freiburg.de</u> → Teaching <u>http://www.telematik.uni-freiburg.de/teaching/courses/course?term=20172&courseID=68</u> m

Correct Scientific Writing

Objectivity and Comprehensibility

- Precise, target-oriented reasoning

Clarity and Precision

- Use technical terms correctly
- Avoid colloquial language
- Use terms consistently
- Do not use ambiguous formulation
- Do not make vague statements and avoid generalizations
- Authenticity
 - Mark (partially) borrowed content/ideas
 - consistent und complete
 - Plagiarism will result in failing the seminar





Reading papers and find interesting new ones

- The Topics Document contains a rough idea of the problems and a hint on literature. This is only a start. You are free, to go different direction.
- Thus, an important part of your work is to identify state of the art and latest publications about your selected topic.
- Try to find a measure of completeness covering the literature of your topic.
- Do not repeat the papers since they are already written. So scientific originality is not in understanding the papers, but in putting them in perspective and classify them in your structure.
- Identify differences in scientific approach and results, and explain this.
- Though, the seminar report is your work. We recommend to first write an exposé and discuss this with your supervisor.





Composing the written report

- Write an outline first so that the report is not just a collection of ideas, but has a storyline.
- Redo the report, or parts of it, if you think that some sections have not a direct contribution to the given topic.
- Check spelling and grammar.

Important Dates and Steps

- October 17th: Introduction in the seminar:
 - Think about your set of topics.
 - If you like, you may send an ordered list of you favorite three topics to <u>holderer@inatech.uni-freiburg.de</u>. If possible, and following date of submission, the first topic will be assigned to you.
- October 24th: Final assignment of Topics: Questions to the supervisor concerning seminar objectives and specifically to the topic.

December 15th 15:00 p.m. : Submission Deadline of reports

- January 9th: Begin of Presentations (two presentations per week)
- February 13th: Last day of seminar
- Where: Room SR 01 016 (Building 101)

Where you find us

- INATECH @ Solar Info Center
- Emmy-Noether-Straße 2
- 2. OG, OST-Turm

