



Seminar Usable Security & Privacy

MA-INF 3321



Application

In order to get a topic, you will need to submit your expose until 08.10.2019. Please send it to the respective supervisors. You will be informed whether you were chosen/not chosen for your favourite lab topic until 15.10.2019. Multiple applications are allowed for up to three topics.

Deadline for expose: 08.10.2019

Deadline for registration in BASIS: 31.10.2019

Investigating security advice

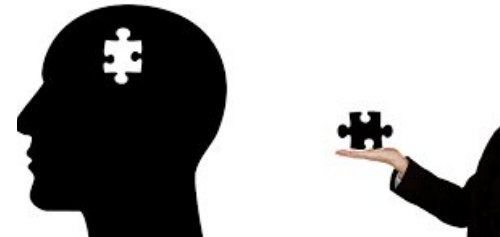
Supervisor:

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Investigating security advice for developer studies

Security advice for software developers can be used by developers to implement securely, e.g. via documentation, software, security warnings or tutorials.

Your task will be to examine all studies on software developers dealing with security advice. Summarize what kinds of advice for software developers have been presented in the literature. Form taxonomy by categorizing and summarizing the advantages and disadvantages of the advice.

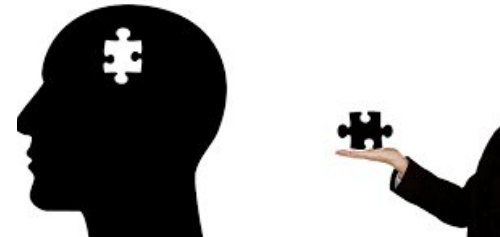


Investigating security advice

Literature

- Fischer et al.: Stack Overflow Considered Harmful? The Impact of Copy&Paste on Android Application Security
- Acar et al.: You Get Where You're Looking For The Impact of Information Sources on Code Security
- Gorski et al.: Developers Deserve Security Warnings, Too. On the Effect of Integrated Security Advice on Cryptographic API Misuse

You need to find further relevant literature.



A broad collection of Usable Security and Privacy literature

Supervisors

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Anastasia Danilova

Stephan Plöger

Christian Tiefenau



A broad collection of Usable Security and Privacy literature

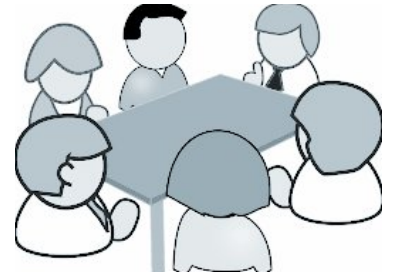
Usable Security and Privacy is an ever-growing research field in which dozens of publications every year. They discuss arising problems, propose new advices, and compare and evaluate existing systems. Hence, keeping track of and staying up-to-date with the published papers is essential.

We want to help researchers in that field and build up a collection of all important publication. The collection shall not be just a simple list but bring the research into context, give overviews on certain aspects and highlights interesting results.



A broad collection of Usable Security and Privacy literature

Your task will be to create an overview for one of the topics discussed in recent years (next slide). This will include summing up the problems and results as well as extracting interesting meta data, such as study design, evaluation metrics, etc. Using that, you will give an overall overview of the topic, with regard to relevant results, contradictions, trends, etc.



A broad collection of Usable Security and Privacy literature

Available topics

- Admin Studies
- Developer Studies
- Password Studies
- Fuzzing
- Static and Dynamic Program Analyses except Fuzzing

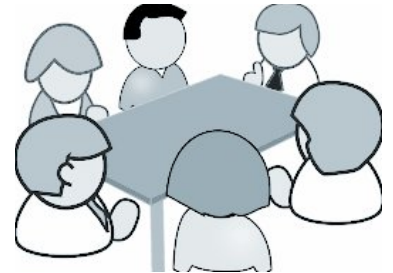


A broad collection of Usable Security and Privacy literature

Important conferences

- IEEE Symposium on Security and Privacy
<https://ieeexplore.ieee.org/xpl/conhome/8826229/proceeding>
- NDSS Symposium
<https://www.ndss-symposium.org/ndss-program/ndss-symposium-2019-program/>
- USENIX Security
https://www.usenix.org/publications/proceedings?f%5B0%5D=im_taxonomy_vocabulary_2%3A108
- USENIX Symposium on Usable Privacy and Security
https://www.usenix.org/publications/proceedings?f%5B0%5D=im_taxonomy_vocabulary_2%3A884

as well as previous years



Own ideas?

Supervisors

all of us

send your idea to
Klaus Tulbure

tulburek@iai.uni-bonn.de



Own ideas?

You've got some **own ideas** for a project in Usable Security and Privacy?

GREAT!

We'd love to work with you on that!

