



# **Lab Usable Security & Privacy**

MA-INF 3319



# Application

In order to get a topic, you will need to submit your expose until 07.10.2020. Please send it to the respective supervisors. You will be informed whether you were chosen/not chosen for your favourite lab topic until 14.10.2020. Multiple applications are allowed for up to three topics.

**Deadline for expose: 07.10.2020**

**Deadline for registration in BASIS: 15.11.2020**

**Requirement: passing the lecture Usable Security and Privacy MA-INF 3235**

# Study QWERTY-Effect in Passwords

**Supervisor**

Eva Gerlitz

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# Study QWERTY-Effect in Passwords

**Idea:** Words typed with more letters of the right hand were found to be rated more positive compared to words typed with the left hand. [1]

Find out if this also influences the use of words as passwords.

## Task:

- Examine literature
- Analyze leaked password-sets
- (- Conduct user study)

## Requirements:

- Knowledge about study design (USECAP Lecture)



Can you explain your  
grandfather what a hash (or a  
fingerprint of a key) is and why  
it is ok that it is public?

**Supervisor**

Maximilian Häring  
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# Study Hash/Fingerprint explanations

**Idea:** Test whether it is possible to explain a non-expert user enough to understand that it is OK that a fingerprint can be public and still safe to use it to check something, e.g. a certificate.

## **Task:**

- Examine literature for existing use of explanations/misconception/mental models
- create a study (online) that tests your creations in a user study
- conduct and analyze the study

## **Requirements:**

- Knowledge about study design (USECAP Lecture)
- Creative ideas

# Own ideas?

## Supervisors

all of us

send your idea to  
Klaus Tulbure

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# 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!

