Matthias Fassl

Updated February 24, 2022

Email: matthias.fassl@cispa.de   **GitHub:** https://github.com/n0g
Mobile: +49 XXX XXXXXX   **LinkedIn:** https://www.linkedin.com/in/matthiasfassl/
Citizenship: Austria (European Union)

Research interests	Social Cybersecurity; Security and Privacy in E2EE Instant Messaging; Security and Privacy Implications of Combined Use of Tor and VPN; Digital Surveillance Practices among Family, Friends, and Intimate Partners

Education

Saarland University — Saarbrücken, Germany
PhD in Usable Privacy and Security — Oct. 2018 – Present
Mentors: Dr. Katharina Krombholz

Vienna University of Technology — Vienna, Austria
MSc in Computer Engineering — graduated May 2018
Thesis: Usable Authentication Ceremonies in Secure Instant Messaging
Mentors: Dr. Katharina Krombholz

Chalmers University of Technology — Gothenburg, Sweden
ERASMUS+ semester abroad — Sep. 2015 – Jan. 2016

Publications

A Systematic Literature Review of Empirical Methods and Risk Representation in Usable Privacy and Security Research
V. Distler, M. Fassl, H. Habib, K. Krombholz, G. Lenzini, C. Lallemand, L. Cranor, and V. Koenig
Transactions of Computer-Human Interaction, 2021

Transferring Update Behavior from Smartphones to Smart Consumer Devices
M. Fassl, M. Neumayr, O. Schedler, and K. Krombholz.
The 3rd Workshop on Security, Privacy, Organizations, and Systems Engineering (at ESORICS), 2021

Exploring Authentication for Security-Sensitive Tasks on Smart Home Voice Assistants
A. Ponticello, M. Fassl, and K. Krombholz.
Seventeenth Symposium on Usable Privacy and Security (SOUPS 2021), 2021.

Stop the Consent Theater
M. Fassl, L. Gröber, and K. Krombholz.
Extended Abstracts of the 2021 CHI Conference on Human Factors in Computing Systems, 2021.

Investigating Car Drivers' Information Demand after Safety and Security Critical Incidents
L. Gröber, <u>M. Fassl</u>, and K. Krombholz.
CHI Conference on Human Factors in Computing Systems, 2021.

Exploring User-Centered Security Design for Usable Authentication Ceremonies
<u>M. Fassl</u>, L. Gröber, and K. Krombholz.
CHI Conference on Human Factors in Computing Systems, 2021.

<table>
<tr><td>Teaching experience</td><td>

TA, Usable Security (Advanced Lecture) Summer 2019 and 2020
CISPA Helmholtz Center for Information Security in cooperation with Saarland University
Advanced lecture on human-centric aspects of IT security. It covers research and design methods and hot topics in usable security such as authentication, encryption and privacy.

TA, Designing Usable Security (Seminar) Fall 2018 and 2019
CISPA Helmholtz Center for Information Security in cooperation with Saarland University
The seminar helps students to understand usable security challenges based on user studies from scientific literature, identify the design space based on these studies and propose potential design approaches for user-friendly security and privacy technology.

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<tr><td>Honors and scholarships</td><td>

Full grant for the 3rd SecHuman Summer School Jun. 2019
Horst-Götz Institute for IT Security
Full grant for the 2nd SecHuman Summer School Sep. 2018
Horst-Götz Institute for IT Security

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<tr><td>Talks and tutorials</td><td>

Usable Security: Die unendliche Geschichte Nov. 2018
A brief overview of common usable security research topics with a focus on email and instant messaging.
PrivacyWeek 2018, organised by the local Chaos Computer Club chapter in Vienna

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<tr><td>Skills</td><td>

Research Tools
Sketch (for Prototyping), ATLAS.ti, MAXQDA, and R.

Programming
Proficient in: Python, C, and Java.
Familiar with: C#, C++, Haskell, PHP, Javascript.

Languages

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German (native), English (C2), Swedish (B2), French (A2)

Service and outreach

Program Committee Member
3rd SPOSE Workshop (at ESORICS 2021)
Symposium on Usable Security and Privacy USEC 2022 (at NDSS 2022)
The Fifteenth International Conference on Advances in Computer-Human Interactions (ACHI 2022)

Invited Reviewer
CHI 2021, CHI 2022

External Reviewer
CHI 2020, CHI 2021, DIMVA 2019, EuroS&P 2020, S&P 2020, RAID 2019, USENIX Security 2020, SOUPS 2019, SOUPS 2020, SOUPS 2021

Other interests   Road Cycling, Analog Photography, and Origami