Publications and Conference Contributions
Carina Wiesen

Publications in Journals and Conference Proceedings (peer reviewed)

Becker, S., Wiesen, C., Albartus, N., Rummel, N., & Paar, C. (2020). An Exploratory Study of Hardware Reverse Engineering – Technical and Cognitive Processes. Sixteenth Symposium on Usable Privacy and Security (SOUPS 2020), Conference Paper.

Becker, S., Wiesen, C., Paar, C., & Rummel, N. (2019). Wie arbeiten Reverse Engineers?. *Datenschutz und Datensicherheit-DuD*, *43*(11), 686-690.

Wiesen, C.; Becker, S., Paar, C., & Rummel, N. (2019). Promoting Skill Acquisition in Hardware Reverse Engineering. In Proceedings of the *2019 IEEE Frontiers in Education Conference (FIE)*, Cincinnati, OH, USA, 2019.

Wiesen, C., Becker, S., Fyrbiak, M., Albartus, N., Elson, M., Rummel, N., & Paar, C. (2018, December). Teaching Hardware Reverse Engineering: Educational Guidelines and Practical Insights. In *2018 IEEE International Conference on Teaching, Assessment, and Learning for Engineering (TALE)* (pp. 438-445). IEEE.

Starcke, K., Wiesen, C., Trotzke, P., & Brand, M. (2016). Effects of acute laboratory stress on executive functions. Paper in *Frontiers in Psychology*, *7*, 461.

Publications in Journals and Conference Proceedings (invitied)

Wiesen, C., Albartus, N., Hoffmann, M., Becker, S., Wallat, S., Fyrbiak, M., Rummel, N., & Paar, C. (2019). Towards cognitive obfuscation: impeding hardware reverse engineering based on psychological insights. In *Proceedings of the 24th Asia and South Pacific Design Automation Conference* (pp. 104-111). ACM.

Conference and Workshop Contributions

Becker, S., & Wiesen, C. (2020). Towards Cognitive Obfuscation. RuhrSec IT Security Conference, Ruhr University Bochum, May, 2020.

Wiesen, C. (2019). *Towards Cognitive Obfuscation*: *Analyzing Human Factors to Impede Hardware Reverse Engineering*. Talk at the International Workshop on Cryptography, Robustness, and Provably Secure Schemes for Female Young Researchers (CrossFyre) at TU Darmstadt (co-located to Eurocrypt 2019), May 2019.

Wiesen, C.; Becker, S., Paar, C., & Rummel, N. (2019). *Acquisition of Hardware Reverse Engineering Competency in IT Security – An Explorative Field Study*. Paper presented at the European Association for Research on Learning and Instruction (EARLI) in Aachen, Germany, August 2019.

Becker, S., Wiesen, C., Albartus, N., Wallat, S., Rummel, N., & Paar, C. (2019). Poster presented at IACR Transactions on Cryptographic Hardware and Embedded Systems, CHES 2019, Atlanta, USA, August 26 – 28, 2019)

Wiesen, C., Elson, M., Fyrbiak, M., Becker, S., Paar, C., & Rummel, N. (2018). *Hardware Reverse Engineering als eine spezielle Art des Problemlösens.* Vortrag auf dem 51. Kongress der Deutschen Gesellschaft für Psychologie (DGPs), 15.09.-20.09.2018, Frankfurt am Main.

Becker, S., Wiesen, C., Fyrbiak, M., Rummel, N., & Paar, C. (2018).

Hardware Reverse Engineering & Cognitive Countermeasures. Poster and Demo presented at the Intel-CRI-CARS Workshop 2018 at Intel, Hillsboro Oregon (17-18 May 2018).