

Dr.-Ing. Tobias Fiebig

Overview of published and accepted papers.

Publications

Conferences

Google Scholar: <https://scholar.google.com/citations?user=JHLAYQoAAAAJ>

- You've Got Report: Measurement and Security Implications of DMARC Reporting**, Md. Ishtiaq Ashiq, Weitong Li, Tobias Fiebig, Taejoong Chung, Accepted at: USENIX Security Symposium'23. **08.2023**
- Certifiably Vulnerable: Using Certificate Transparency Logs for Target Reconnaissance**, Stijn Pletinckx, Thanh-Dat Nguyen, Tobias Fiebig, Christopher Kruegel, Giovanni Vigna, 8th IEEE European Symposium on Security and Privacy (EuroS&P 2023). **07.2023**
- Connecting the .dotfiles: Checked-In Secret Exposure with Extra (Lateral Movement) Steps**, Gerhard Jungwirth, Aakanksha Saha, Michael Schröder, Tobias Fiebig, Martina Lindorfer, Jürgen Cito, 20th International Conference on Mining Software Repositories (MSR2023). **05.2023**
- "Oh yes! over-preparing for meetings is my jam :)": The Gendered Experiences of System Administrators**, Mannat Kaur, Harshini Sri Ramuku, Yasemin Acar, Tobias Fiebig, ACM CSCW'23 / PACM HCI CSCW1. **09.2023**
- Heads in the Clouds? Measuring Universities' Migration to Public Clouds: Implications for Privacy & Academic Freedom**, Tobias Fiebig, Seda Seda Gürses, Carlos H. Gañán, Erna Kotkamp, Fernando Kuipers, Martina Lindorfer, Menghua Prisse, Taritha Sari, Proceedings of Privacy Enhancing Technologies (PoPETS). **07.2023**
- Back-to-the-Future Whois: An IP Address Attribution Service for Working with Historic Datasets**, Florian Streibelt, Martina Lindorfer, Seda Seda Gürses, Carlos H. Gañán, Tobias Fiebig, **Best Paper at:** Passive & Active Measurement Conference 2023 (PAM, LNCS). **03.2022**
- How Ready Is DNS for an IPv6-Only World?**, Florian Streibelt, Patrick Sattler, Franziska Lichtblau, Carlos Gañán, Anja Feldmann, Oliver Gasser, Tobias Fiebig, Passive & Active Measurement Conference 2023 (PAM, LNCS). **03.2022**
- "I needed to solve their overwhelmness": How system administration work was affected by COVID-19**, Mannat Kaur, Simon Parkin, Marijn Janssen, Tobias Fiebig, ACM CSCW'22 / PACM HCI. **09.2022**
- Security at the End of the Tunnel: The Anatomy of VPN Mental Models Among Experts and Non-Experts in a Corporate Context**, Veroniek Binkhorst, Tobias Fiebig, Katharina Krombholz, Wolter Pieters, Katsiaryna Labunets, USENIX Security'22. **08.2022**
- Not that Simple: Email Delivery in the 21st Century**, Florian Holzbauer, Johanna Ullrich, Martina Lindorfer, Tobias Fiebig, USENIX Annual Technical Conference (ATC'22). **07.2022**

Out of Sight, Out of Mind: Detecting Orphaned Web Pages at Internet-Scale , <i>Stijn Pletinckx, Kevin Borgolte, Tobias Fiebig</i> , Proceedings of the 2021 ACM SIGSAC Conference on Computer and Communications Security (CCS '21).	11.2021
SoK: A Framework for Asset Discovery: Systematizing Advances in Network Measurements for Protecting Organizations , <i>Mathew Vermeer, Jonathan West, Alejandro Cuevas, Shuonan Niu, Nicolas Christin, Michel van Eeten, Tobias Fiebig, Carlos Gañán, Tyler Moore</i> , Proceedings of the 6th IEEE European Symposium on Security & Privacy (EuroS&P).	09.2021
Investigating System Operators' Perspective on Security Misconfigurations , <i>Constanze Dietrich, Katharina Krombholz, Kevin Borgolte, Tobias Fiebig</i> , ACM SIGSAC Conference on Computer and Communications Security (CCS).	10.2018
Enumerating Active IPv6 Hosts for Large-scale Security Scans , <i>Kevin Borgolte, Shuang Hao, Tobias Fiebig, Giovanni Vigna</i> , IEEE Symposium on Security&Privacy (Oakland).	05.2018
Taking Control of SDN-based Cloud Systems via the Data Plane , <i>Kashyap Thimmaraju, Bhargava Shastry, Tobias Fiebig, Felicitas Hertzelt, Jean-Pierre Seifert, Anja Feldmann, Stefan Schmid</i> , ACM Symposium on SDN Research (SOSR), <i>*Best Paper Award*</i> .	03.2018
In rDNS We Trust: Revisiting a Common Data-Source's Reliability , <i>Tobias Fiebig, Kevin Borgolte, Shuang Hao, Christopher Kruegel, Giovanni Vigna, Anja Feldmann</i> , Passive and Active Measurement Conference (PAM).	03.2018
Cloud Strife: Mitigating the Security Risks of Domain-Validated Certificates , <i>Kevin Borgolte, Tobias Fiebig, Shuang Hao, Christopher Kruegel, Giovanni Vigna</i> , Network and Distributed System Security Symposium (NDSS).	02.2018
Static Program Analysis as a Fuzzing Aid , <i>Bhargava Shastry, Markus Leutner, Tobias Fiebig, Kashyap Thimmaraju, Fabian Yamaguchi, Konrad Rieck, Stefan Schmid</i> , RAID (Research in Attacks, Intrusions and Defenses).	09.2017
Something From Nothing (There): Collecting Global IPv6 Datasets From DNS , <i>Tobias Fiebig, Kevin Borgolte, Shuang Hao, Christopher Kruegel, Giovanni Vigna</i> , PAM (Passive and Active Measurement) Conference.	03.2017
Crisis, Ethics, Reliability & a measurement.network: Reflections on Active Network Measurements in Academia , <i>Tobias Fiebig</i> , Applied Networking Research Workshop (ANRW 2023).	07.2023
13 Propositions on an Internet for a "Burning World" , <i>Tobias Fiebig, Doris Aschenbrenner</i> , Proceedings of ACM SIGCOMM Workshops TAURIN+BGI'22.	08.2022
Understanding the Knowledge Gap: How Security Awareness Influences the Adoption of Industrial IoT , <i>Verena Schrama, Carlos H. Gañán, Doris Aschenbrenner, Mark de Reuver, Kevin Borgolte, Tobias Fiebig</i> , The 2020 Workshop on the Economics of Information Security (WEIS'20).	12.2020

Workshops

TXting 101: Finding Security Issues in the Long Tail of DNS TXT Records , <i>Olivier van der Toorn, Roland van Rijswijk-Deij, Tobias Fiebig, Martina Lindorfer, Anna Sperotto</i> , IEEE Euro SPW WTMC 2020.	09.2020
How to stop crashing more than twice: A Clean-Slate Governance Approach to IT Security , <i>Tobias Fiebig</i> , IEEE Euro SPW CyberCert 2020.	09.2020
Evolution of SSL/TLS Indicators and Warnings in Web Browsers , <i>Lydia Kraus, Martin Ukrop, Vashek Matyas, Tobias Fiebig</i> , Twenty-seventh International Workshop on Security Protocols (SPW).	04.2019
The vAMP Attack: Taking Control of Cloud Systems via the Unified Packet Parser , <i>Kashyap Thimmaraju, Bhargava Shastry, Tobias Fiebig, Felicitas Hetzelt, Jean-Pierre Seifert, Anja Feldmann, Stefan Schmid</i> , ACM Cloud Computing Security Workshop (CCSW).	11.2017
A One-Year Perspective on Exposed In-memory Key-Value Stores , <i>Tobias Fiebig, Anja Feldmann, Matthias Petschick</i> , SafeConfig'16, ACM CCS Workshops.	10.2016
Analyzing End-Users' Knowledge and Feelings Surrounding Smartphone Security and Privacy , <i>Lydia Kraus, Tobias Fiebig, Viktor Miruchna, Sebastian Möller, Asaf Shabtai</i> , MOST 2015, IEEE S&P Workshops.	05.2015
A Metric for the Evaluation and Comparison of Keylogger Performance , <i>Tobias Fiebig, Janis Danisevskis, Marta Piekarska</i> , CSET 2014, USENIX Security Workshops.	08.2014
Security Impact of High Resolution Smartphone Cameras , <i>Tobias Fiebig, Jan Krissler, Ronny Hänsch</i> , WOOT 2014, USENIX Security Workshops.	08.2014
Pushing Boundaries: An Empirical View on the Digital Sovereignty of Six Governments in the Midst of Geopolitical Tensions , <i>Bernardus Jansen, Natalia Kadenko, Dennis Broeders, Michel van Eeten, Kevin Borgolte, Tobias Fiebig</i> , Government Information Quarterly, 40(4).	08.2023
Position Paper: Escaping Academic Cloudification to Preserve Academic Freedom , <i>Tobias Fiebig, Seda Seda Gürses, Martina Lindorfer</i> , Privacy Studies Journal (PSJ).	03.2023
DOMAINPRIO: Prioritizing Domain Name Investigations to Improve SOC Efficiency , <i>Daiki Chiba, Mitsuaki Akiyama, Yuto Otsuki, Hiroki Hada, Takeshi Yagi, Tobias Fiebig, Michel van Eeten</i> , IEEE Access.	03.2022
On the value of the Digital Internet/Physical Internet analogy , <i>Sharon van Luik, Tobias Fiebig, Patrick Fabim, Pieter de Waard, Lorant Tavasszy</i> , Journal of Supply Chain Management Science.	12.2020
Governance Challenges for European CyberSecurity Policies: Stakeholders Views , <i>Pierantonio Sterlini, Fabio Massacci, Natalia Kadenko, Tobias Fiebig, Michel van Eeten</i> , IEEE Security & Privacy Magazine (SPM), Special Issue on Governance.	01.2020

Journals

<i>Book Chapters</i>	Learning from the Past: Designing Secure Network Protocols , Tobias Fiebig, Franziska Lichtblau, Florian Streibelt, Thorben Krüger, Pieter Lexis, Randy Bush, Anja Feldmann, Springer Cybersecurity Best Practices, ISBN 978-3-658-21654-2.	07.2018
<i>Technical Reports</i>	Heads in the Clouds: Measuring the Implications of Universities Migrating to Public Clouds , Tobias Fiebig, Seda Seda Gürses, Carlos H. Gañán, Erna Kotkamp, Fernando Kuipers, Martina Lindorfer, Menghua Prisse, Taritha Sari, Technical Report arXiv:2104.09462.	04.2021
	Human Factors in Security Research: Lessons Learned from 2008-2018 , Mannat Kaur, Michel van Eeten, Marijn Janssen, Kevin Borgolte, Tobias Fiebig, Technical Report arXiv:2103.13287.	03.2021