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About me

I am a Professor (W3) of Computer Science at Technische Universität Braunschweig. I am leading the Institute of System Security. Prior to taking this position, I have been working at the University of Göttingen, Technische Universität Berlin and Fraunhofer Institute FIRST.

My research interests revolve around computer security and machine learning. This includes the [detection](#) of computer attacks, the [analysis](#) of malicious software, and the [discovery](#) of vulnerabilities. I am also interested in efficient algorithms for analyzing structured data, such as [sequences](#), [trees](#) and [graphs](#).

Konrad Rieck

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200920102011201220132014201520162017

合著作者[查看全部...](#)

-
- [Pavel Laskov](#)
 - [Daniel Arp](#)

- Thorsten Holz
- Fabian Yamaguchi
- Hugo Gascón
- Tammo Krueger
- Patrick Duessel
- Carsten Willems
- Klaus-Robert Müller
- Christian Gorecki
- Michael Spreitzenbarth
- Christin Schäfer
- Ulf Brefeld
- Marius Kloft
- Soeren Sonnenburg
- Nico Goernitz
- Dr. Nicole Krämer
- Christopher Wolf
- Martin Johns
- Gunnar Rätsch

标题 1–20	引用次数	发表年份
Learning and classification of malware behavior K Rieck, T Holz, C Willems, P Düssel, P Laskov Detection of Intrusions and Malware, and Vulnerability Assessment, 108-125	407	2008
Measuring and detecting fast-flux service networks T Holz, C Gorecki, K Rieck, FC Freiling Proceedings of the Network & Distributed System Security Symposium	377*	2008
DREBIN: Effective and Explainable Detection of Android Malware in Your Pocket. D Arp, M Spreitzenbarth, M Hubner, H Gascon, K Rieck, C Siemens NDSS	363	2014
Automatic analysis of malware behavior using machine learning K Rieck, P Trinius, C Willems, T Holz Journal of Computer Security 19 (4), 639-668	285	2011
Learning intrusion detection: Supervised or unsupervised? P Laskov, P Düssel, C Schäfer, K Rieck Image Analysis and Processing–ICIAP 2005, 50-57	155	2005
Cujo: efficient detection and prevention of drive-by-download attacks K Rieck, T Krueger, A Dewald	134*	

标题 1-20	引用次数	发表年份
Structural detection of android malware using embedded call graphs H Gascon, F Yamaguchi, D Arp, K Rieck Proceedings of the 2013 ACM workshop on Artificial intelligence and security ...	95	2013
Linear-time computation of similarity measures for sequential data K Rieck, P Laskov Journal of Machine Learning Research 9 (Jan), 23-48	95	2008
Language models for detection of unknown attacks in network traffic K Rieck, P Laskov Journal in Computer Virology 2 (4), 243-256	89	2007
Botzilla: Detecting the phoning home of malicious software K Rieck, G Schwenk, T Limmer, T Holz, P Laskov Proceedings of the 2010 ACM Symposium on Applied Computing, 1978-1984	64	2010
Detecting unknown network attacks using language models K Rieck, P Laskov International Conference on Detection of Intrusions and Malware, and ...	62	2006
Smart metering de-pseudonymization M Jawurek, M Johns, K Rieck Proceedings of the 27th Annual Computer Security Applications Conference ...	58	2011
Toward Supervised Anomaly Detection. N Görnitz, M Kloft, K Rieck, U Brefeld J. Artif. Intell. Res.(JAIR) 46, 235-262	57	2013
Modeling and discovering vulnerabilities with code property graphs F Yamaguchi, N Golde, D Arp, K Rieck Security and Privacy (SP), 2014 IEEE Symposium on, 590-604	55	2014
Large scale learning with string kernels S Sonnenburg, G Rätsch, K Rieck Large Scale Kernel Machines, 73-103	51	2007
A self-learning system for detection of anomalous sip messages K Rieck, S Wahl, P Laskov, P Domschitz, KR Müller Principles, Systems and Applications of IP Telecommunications. Services and ...	43	2008
A malware instruction set for behavior-based analysis	41	2009

标题 1-20	引用次数	发表年份
P Trinius, C Willems, T Holz, K Rieck		
TokDoc: A self-healing web application firewall T Krueger, C Gehl, K Rieck, P Laskov Proceedings of the 2010 ACM Symposium on Applied Computing, 1846-1853	40	2010
Generalized vulnerability extrapolation using abstract syntax trees F Yamaguchi, M Lottmann, K Rieck Proceedings of the 28th Annual Computer Security Applications Conference ...	39	2012
Continuous Authentication on Mobile Devices by Analysis of Typing Motion Behavior. H Gascon, S Uellenbeck, C Wolf, K Rieck Sicherheit, 1-12	36	2014