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GESELLSCHAFT
FÜR INFORMATIK



Wednesday 27

From 15:00	DIMVA 2018 registration
15:30 – 17:00	Joint DIMVA/ESSoS Panel Session
17:00 – 20:00	Joint DIMVA/ESSoS 2018 Poster Session and Cocktail

Day 1 – Thursday 28

08:00 – 09:00	Registration
09:00 – 09:15	DIMVA Welcome
09:15 – 10:30	Keynote: Manuel Costa (Microsoft Research Cambridge)
<u>Azure Confidential Computing</u>	
10:30 – 11:00	Coffee Break
11:00 – 12:30	Session 1: Malware Analysis
<p>Malrec: Compact Full-Trace Malware Recording for Retrospective Deep Analysis <i>Giorgio Severi, Tim Leek, Brendan Dolan-Gavitt</i></p> <p>MemScrimper: Time- and Space-Efficient Storage of Malware Sandbox Memory Dumps <i>Michael Brengel, Christian Rossow</i></p> <p>Spearphishing Malware: Do We Really Know the Unknown? <i>Yanko Baychev, Leyla Bilge</i></p>	
12:30 – 14:00	Lunch Break
14:00 – 15:30	Session 2: Mobile and Embedded Security
<p>Honey, I Shrunk Your App Security: The State of Android App Hardening <i>Vincent Hupert, Dominik Maier, Nicolas Schneider, Julian Kirsch, Tilo Müller</i></p> <p>GuardION: Practical Mitigation of DMA-based Rowhammer Attacks on ARM <i>Victor van der Veen, Martina Lindorfer, Yanick Fratantonio, Harikrishnan Padmanabha Pillai, Giovanni Vigna, Christopher Kruegel, Herbert Bos, Kaveh Razavi</i></p> <p>BinArm: Scalable and Efficient Detection of Vulnerabilities in Firmware Images of Intelligent Electronic Devices <i>Paria Shirani, Leo Collard, Basile L. Agba, Bernard Lebel, Mourad Debbabi, Lingyu Wang, Aiman Hanna</i></p>	
15:30 – 16:00	Coffee Break
16:00 – 17:30	Session 3: Attacks
<p>Update State Tampering: A Novel Adversary Post-Compromise Technique on Cyber Threats <i>Sung-Jin Kim, Byung-Joon Kim, Hyoung-Chun Kim, Dong Hoon Lee</i></p> <p>Evasive Malware via Identifier Implanting <i>Rui Tanabe, Wataru Ueno, Kou Ishii, Katsunari Yoshioka, Tsutomu Matsumoto, Takahiro Kasama, Daisuke Inoue, Christian Rossow</i></p> <p>On the Weaknesses of Function Table Randomization <i>Moritz Contag, Robert Gawlik, Andre Pawlowski, Thorsten Holz</i></p>	
18:00 – 23:00	Bus Transfer and Conference Dinner

Day 2 – Friday 29

08:30 – 09:15	Registration
09:15 – 10:30	Keynote: Alex Halderman (University of Michigan)
<u>Cyberattacks on Election Infrastructure</u>	
10:30 – 11:00	Coffee Break
11:00 – 12:30	Session 4: Detection and Containment
FraudBuster: Temporal Analysis and Detection of Advanced Financial Frauds <i>Michele Carminati, Alessandro Baggio, Federico Maggi, Umberto Spagnolini, Stefano Zanero</i>	
No Random, No Ransom: A Key to Stop Cryptographic Ransomware <i>Ziya Alper Genç, Gabriele Lenzini, Peter Y.A. Ryan</i>	
Hidden in Plain Sight: Filesystem View Separation for Data Integrity and Deception <i>Teryl Taylor, Frederico Araujo, Anne Kohlbrenner, Marc Ph. Stoecklin</i>	
12:30 – 14:00	Lunch Break
14:00 – 15:30	Session 5: Web and Browser Security
Knockin' on Trackers' Door: Large-Scale Automatic Analysis of Web Tracking <i>Iskander Sanchez-Rola, Igor Santos</i>	
JaSt: Fully Syntactic Detection of Malicious (Obfuscated) JavaScript <i>Aurore Fass, Robert Krawczyk, Michael Backes, Ben Stock</i>	
Bytecode Corruption Attacks Are Real — And How to Defend Against Them <i>Taemin Park, Julian Lettner, Yeoul Na, Stijn Volckaert, Michael Franz</i>	
15:30 – 16:00	Coffee Break
16:00 – 17:15	Session 6: Reverse Engineering
ELISA: ELiciting ISA of Raw Binaries for Fine-grained Code and Data Separation <i>Pietro De Nicolao, Marcello Pogliani, Mario Polino, Michele Carminati, Davide Quarta, Stefano Zanero</i>	
Symbolic Deobfuscation: From Virtualized Code Back to the Original <i>Jonathan Salwan, Sébastien Bardin, Marie-Laure Potet</i>	
Extended Abstract: Toward Systematically Exploring Antivirus Engines <i>Davide Quarta, Federico Salvioni, Andrea Continella, Stefano Zanero</i>	
17:15 – 17:30	Closing