

TUESDAY					
7:30	Registration & Breakfast				
9:00	Chairs' Welcome (Kings)				
9:15	Keynote: Ingrid Verbauwhede - The Need for Hardware Roots of Trust (Kings)				
10:30	Coffee Break				
	Kings - Balmoral	Kings - Sandringham	Windsor	Blenheim	Buckingham
11:00	Session 1A: Attacks I Chair: Wenyan Xu 1 Trillion Dollar Refund - How To Spoof PDF Signatures Vladislav Mladenov (Ruhr University Bochum), Christian Mainka (Ruhr University Bochum), Karsten Meyer zu Selhausen (Hackmanit GmbH), Martin Grothe (Ruhr University Bochum), Jörg Schwenk (Ruhr University Bochum) Practical Decryption exfiltration: Breaking PDF Encryption Jens Müller (Ruhr University Bochum), Fabian Ising (Münster University of Applied Sciences), Vladislav Mladenov (Ruhr University Bochum), Christian Mainka (Ruhr University Bochum), Sebastian Schinzel (Münster University of Applied Sciences), Jörg Schwenk (Ruhr University Bochum)	Session 1B: Cryptographic Primitives Chair: Dario Fiore Omiring: Scaling Up Private Payments Without Trusted Setup - Formal Foundations and a Construction of Ring Confidential Transactions with Log-size Proofs Russell W. F. Lai (Friedrich Alexander University Erlangen-Nuremberg), Viktoria Ronge (Friedrich Alexander University Erlangen-Nuremberg), Tim Ruffing (Blockstream), Dominique Schröder (Friedrich Alexander University Erlangen-Nuremberg), Sri Aravinda Krishnan Thyagarajan (Friedrich Alexander University Erlangen-Nuremberg), Jiafan Wang (Chinese University of Hong Kong) WI is not Enough: Zero-Knowledge Contingent (Service) Payments Revisited Georg Fuchsbaue (Inria and Ecole normale supérieure)	Session 1C: Cloud Security I Chair: Zhiqiang Lin A Machine-Checked Proof of Security for AWS Key Management Service José Bacelar Almeida (University of Minho and INESC TEC), Manuel Barbosa (University of Porto (FCUP) and INESC TEC), Gilles Barthe (MPI-SP and IMDEA Software Institute), Matthew Campagna (Amazon Web Services), Ernie Cohen (Amazon Web Services), Benjamin Gregoire (INRIA Sophia Antipolis), Vitor Pereira (University of Porto (FCUP) and INESC TEC), Bernardo Portela (University of Porto (FCUP) and INESC TEC), Pierre-Yves Strub (Ecole Polytechnique), Serdar Tasiran (Amazon Web Services) Mitigating Leakage in Secure Cloud-Hosted Data Structures: Volume Hiding for Multi-Maps via Hashing Sarvar Patel (Google), Giuseppe Persiano (Universita' di Salerno and Google), Kevin Yeo (Google), Moti Yung (Google)	Session 1D: Forensics Chair: Omar Chowdhury The Next 700 Policy Miners: A Universal Method for Building Policy Miners Carlos Cotrini (ETH Zurich), Luca Corinzia (ETH Zurich), Thilo Weghorn (ETH Zurich), David Basin (ETH Zurich) Towards Continuous Access Control Validation and Forensics Chengcheng Xiang, Yudong Wu, Bingyu Shen, Mingyao Shen (University of California San Diego), Tianyi Xu (University of Illinois Urbana-Champaign), Yuanyan Zhou, Cindy Moore (University of California San Diego), Xinxin Jin, Tianwei Sheng (Whova, Inc.)	Session 1E: Privacy I Chair: Ben Stock Watching You Watch: The Tracking Ecosystem of Over-the-Top TV Streaming Devices Hoaman Mohajeri Moghaddam (Princeton University), Gunes Acar (Princeton University), Arunesh Mathur (Princeton University), Danny Y. Huang (Princeton University), Ben Burgess (Princeton University), Nick Feamster (Princeton University), Edward Felten (Princeton University), Prateek Mittal (Princeton University), Arvind Narayanan (Princeton University) Oh, the Places You've Been! User Reactions to Longitudinal Transparency About Third-Party Web Tracking and Inferring Ben Weinsell, Miranda Wei (University of Chicago), Mainack Mondal (Cornell University / University of Chicago), Euirim Choi, Shawn Shan, Claire Dolin (University of Chicago), Michelle L. Mazurek (University of Maryland), Blase Ur (University of Chicago)
12:00	Lunch Break (Monarch)				
13:30	Session 2A: Side Channels I Chair: Michael Franz Page Cache Attacks Daniel Gruss (Graz University of Technology), Erik Kraft (Graz University of Technology), Trishita Tiwari (Boston University), Michael Schwarz (Graz University of Technology), Ari Trachtenberg (Boston University), Jason Hennessey (NetApp), Alex Ionescu (CrowdStrike), Anders Fogh (Intel Corporation) Hardware-Backed Heist: Extracting ECDSA Keys from Qualcomm's TrustZone Keegan Ryan (NCC Group) VoltJockey: Breaching TrustZone by Software-Controlled Voltage Manipulation over Multi-core Frequencies Pengfei Qiu, Yongqiang Lyu, Dongsheng Wang (Research Institute of Information Technology & BNRIst, Tsinghua University, Beijing, China), Gang Qu (University of Maryland, College Park) Principled Unearthing of TCP Side Channel Vulnerabilities Yue Cao, Zhongjie Wang, Zhiyun Qian, Chengyu Song, Srikanth Krishnamurthy (University of California, Riverside), Paul Yu (Army Research Laboratory)	Session 2B: ML Security I Chair: Yang Zhang Neural Network Inversion in Adversarial Setting via Background Knowledge Alignment Ziqi Yang (National University of Singapore), Jiyi Zhang (National University of Singapore), Ee-Chien Chang (National University of Singapore), Zhenkai Liang (National University of Singapore) Privacy Risks of Securing Machine Learning Models against Adversarial Examples Liwei Song (Princeton University), Reza Shokri (National University of Singapore (NUS)), Prateek Mittal (Princeton University) MemGuard: Defending against Black-Box Membership Inference Attacks via Adversarial Examples Jinyuan Jia (Duke University), Ahmed Salem (CISPA Helmholtz Center for Information Security), Michael Backes (CISPA Helmholtz Center for Information Security), Yang Zhang (CISPA Helmholtz Center for Information Security), Neil Zhenqiang Gong (Duke University) Procedural Noise Adversarial Examples for Black-Box Attacks on Deep Convolutional Networks Kenneth Co (Imperial College London), Luis Muñoz-González (Imperial College London), Sixte de Maupou (Imperial College London), Emil C. Lupu (Imperial College London)	Session 2C: Secure Computing I Chair: Yan Huang Efficient Two-Round OT Extension and Silent Non-Interactive Secure Computation Elette Boyle (IDC, Herzliya), Geoffrey Couteau (Karlsruhe Institute of Technology), Niv Gilboa (Ben-Gurion University of the Negev), Yuval Ishai (Technion), Lisa Kohl (Karlsruhe Institute of Technology), Peter Rindal (Visa Research), Peter Scholl (Aarhus University) Endemic Oblivious Transfer Peter Rindal (Visa Research), Daniel Masny (Visa Research) LevioSA: Lightweight Secure Arithmetic Computation Carmit Hazay (Bar-Ilan University), Yuval Ishai (Technion), Antonio Macedone (Cornell-Tech), Muthu Venkatasubramanian (University of Rochester) Onion Ring ORAM: Efficient Constant Bandwidth Oblivious RAM from (Leveled) TFHE Hao Chen (Microsoft Research), Maria Chillosti (KU Leuven), Ling Ren (VMware Research)	Session 2D: Encryption (Searchable, Updatable, Homomorphic, etc.) Chair: Joshua Schifman Encrypted Databases: New Volume Attacks against Range Queries Zichen Gu (University of Bristol), Oliver Johnson (University of Bristol), Bogdan Warinschi (University of Bristol) Updatable Oblivious Key Management for Storage Systems Stanislaw Jarecki (University of California, Irvine), Hugo Krawczyk (Algorand Foundation), Jason Resch (Independent) Efficient Multi-Key Homomorphic Encryption with Packed Ciphertexts with Application to Oblivious Neural Network Inference Hao Chen (Microsoft Research), Wei Dai (Microsoft Research), Miran Kim (University of Texas, Health Science Center at Houston), Yongsoo Song (Microsoft Research)	Session 2E: Internet Security Chair: Paul Pearce SICO: Surgical Interception Attacks by Manipulating BGP Communities Henry Birge-Lee (Princeton University), Liang Wang (Princeton University), Jennifer Rexford (Princeton University), Prateek Mittal (Princeton University) Just the Tip of the Iceberg: Internet-Scale Exploitation of Routers for Cryptojacking H.L.J. Bijmans (Delft University of Technology), T.M. Booi (Delft University of Technology), C. Doerr (Delft University of Technology) Network Hygiene, Incentives, and Regulation: Deployment of Source Address Validation in the Internet Matthew Luckie (University of Waikato), Robert Beverly (Naval Postgraduate School), Ryan Koga (CAIDA / UC San Diego), Ken Keys (CAIDA / UC San Diego), Joshua Kroll (UC Berkeley School of Information), kc claffy (CAIDA / UC San Diego) Security Certification in Payment Card Industry: Testbeds, Measurements, and Recommendations Sazzadur Rahaman (Virginia Tech), Gang Wang (University of Illinois at Urbana-Champaign), Daphne Yao (Virginia Tech)
15:30	Coffee Break				
16:00	Session 3A: Fuzzing: Methods and Applications Chair: Venkat Venkatakrishnan Matryoshka: fuzzing deeply nested branches Peng Chen (ByteDance AI Lab), Jianzhong Liu (ShanghaiTech University), Hao Chen (University of California, Davis) Intriguer: Field-Level Constraint Solving for Hybrid Fuzzing Mingi Cho (Yonsei University), Seoyoung Kim (Yonsei University), Taekyoung Kwon (Yonsei University)	Session 3B: Blockchain I Chair: Andrew Miller HyperService: Interoperability and Programmability across Heterogeneous Blockchains Zhuotao Liu (UIUC & Google), Yangxi Xiang (Beijing University of Posts and Telecommunications), Jian Shi (Case Western Reserve University), Peng Gao (University of California, Berkeley), Haoyu Wang (Beijing University of Posts and Telecommunications), Xusheng Xiao (Case Western Reserve University), Bilhan Wen (Nanyang Technological University), Yi-Chun Hu (UIUC) MatRiCT: Efficient, Scalable and Post-Quantum Blockchain Confidential Transactions Protocol Muhammed F. Esgin (Monash University and Data61, CSIRO), Raymond K. Zhao (Monash University), Ron Steinfeld (Monash University), Joseph K. Liu (Monash University), Dongxi Liu (Data61, CSIRO)	Session 3C: Secure Computing II Chair: Nick Hopper Securely Sampling Biased Coins with Applications to Differential Privacy Jeffrey Champion (Northeastern University), Abhi Shelat (Northeastern University), Jonathan Ullman (Northeastern University) Stormy: Statistics in Tor by Measuring Securely Ryan Walls (U.S. Naval Research Laboratory), Aaron Johnson (U.S. Naval Research Laboratory), Daniel Starin (Perspecta Labs), Arkady Yerukhimovich (George Washington University), S. Dov Gordon (George Mason University)	Session 3D: Formal Analysis I Chair: Carl Gunter A Formal Treatment of Deterministic Wallets Poulami Das (Technische Universität Darmstadt, Germany), Sebastian Faust (Technische Universität Darmstadt, Germany), Julian Loss (Ruhr-Universität Bochum, Germany) 5GReasoner: A Property-Directed Security and Privacy Analysis Framework for 5G Cellular Network Protocol Syed Rafiq Hussain (Purdue University), Mitzi Echeverria (The University of Iowa), Imtiaz Karim (Purdue University), Omar Chowdhury (The University of Iowa), Elisab Bertino (Purdue University) Verified Verifiers for Verifying Elections Thomas Haines (Norwegian University of Science and Technology), Rajeev Gore (The Australian National University), Mukesh Tiwari (The Australian National University)	Session 3E: Privacy II Chair: Ilya Mironov Analyzing Subgraph Statistics from Extended Local Views with Decentralized Differential Privacy Haipei Sun (Qatar Computing Research Institute), Xiaokui Xiao (National University of Singapore), Issa Khalil (Qatar Computing Research Institute (QCRI), HBKU), Yin Yang (College of Science and Engineering, Hamad Bin Khalifa University), Zhan Qin (Zhejiang University), Hui (Wendy) Wang (Stevens Institute of Technology), Ting Yu (Qatar Computing Research Institute) How to accurately and privately identify anomalies Hafiz Asif (Rutgers University), Periklis Papakonstantinou (Rutgers University), Jaideep Vaidya (Rutgers University)
18:00	Poster Session (Monarch)				
19:30	Business Meeting (Kings - Balmoral)				

WEDNESDAY

	Registration & Breakfast				
	Kings - Balmoral	Kings - Sandringham	Windsor	Blenheim	Buckingham
7:30	Registration & Breakfast				
9:15	<p style="text-align: center;">Session 4A: Side Channels II <i>Chair: Yinqian Zhang</i></p> <p>ZombieLoad: Cross-Privilege-Boundary Data Sampling <i>Michael Schwarz, Moritz Lipp (Graz University of Technology), Ahmad Moghimi (Worcester Polytechnic Institute), Jo Van Bulck (imec-DistriNet, KU Leuven), Julian Stecklina, Thomas Prescher (Cyberus Technology), Daniel Gruss (Graz University of Technology)</i></p> <p>Fallout: Leaking Data on Meltdown-resistant CPUs <i>Claudia Canella (Graz University of Technology), Daniel Genkin (University of Michigan), Lukas Giner, Daniel Gruss, Moritz Lipp (Graz University of Technology), Marina Minkin (University of Michigan), Daniel Moghimi (Worcester Polytechnic Institute), Frank Piessens (KU Leuven), Michael Schwarz (Graz University of Technology), Berk Sunar (Worcester Polytechnic Institute), Jo Van Bulck (KU Leuven), Yuval Yarom (University of Adelaide and Data61)</i></p> <p>SMT: Spectre: exploiting speculative execution through port contention <i>Atri Bhattacharaya (EPFL), Alexandra Sandulescu (IBM Zurich), Matthias Neugschwandtner (IBM Zurich), Alessandro Sorniotti (IBM Zurich), Babak Falsafi (EPFL), Mathias Payer (EPFL), Anil Kurmus (IBM Zurich)</i></p>	<p style="text-align: center;">Session 4B: Blockchain II <i>Chair: Aggelos Kiayias</i></p> <p>Atomic Multi-Channel Updates with Constant Collateral in Bitcoin-Compatible Payment-Channel Networks <i>Christoph Egger (Friedrich-Alexander-Universität Erlangen-Nürnberg), Pedro Moreno-Sanchez (TU Wien), Matteo Maffei (TU Wien)</i></p> <p>Erlay: Efficient Transaction Relay for Bitcoin <i>Gleb Naumenko (University of British Columbia), Gregory Maxwell (Independent), Pieter Wuille (Blockstream), Alexandra (Sasha) Fedorova (University of British Columbia), Ivan Beschastnikh (University of British Columbia)</i></p> <p>Power Adjusting and Bribery Racing: Novel Mining Attacks in the Bitcoin System <i>Shang Gao (The Hong Kong Polytechnic University), Zecheng Li (The Hong Kong Polytechnic University), Zhe Peng (The Hong Kong Polytechnic University), Bin Xiao (The Hong Kong Polytechnic University)</i></p>	<p style="text-align: center;">Session 4C: Secure Computing III <i>Chair: Jonathan Katz</i></p> <p>A High-Assurance Evaluator for Machine-Checked Secure Multiparty Computation <i>Vitor Pereira (INESC TEC & DCC FC Universidade do Porto), Karim Edehwar (SRI International)</i></p> <p>Practical Fully Secure Three-Party Computation via Sublinear Distributed ZK Proofs <i>Ariel Nof (Bar-Ilan University), Yuval Ishai (Technion and UCLA), Elette Boyle (IDC Herzliya), Nir Givko (BGU)</i></p> <p>HoneyBadgerMPC and AsyncMPC: Practical Asynchronous MPC and its Application to Anonymous Communication <i>Donghang Lu (Purdue University), Thomas Yurek (UIUC), Samarth Kulshrestha (UIUC), Rahul Govind (UIUC), Aniket Kate (Purdue University), Andrew Miller (UIUC)</i></p>	<p style="text-align: center;">Session 4D: Formal Analysis II <i>Chair: Ninghui Li</i></p> <p>Exploiting Symmetries when Proving Equivalence Properties for Security Protocols <i>Vincent Cheval (INRIA Nancy - Grand Est), Steve Kremer (INRIA Nancy - Grand Est), Itaka Rakotonirina (INRIA Nancy - Grand Est)</i></p> <p>Are These Pairing Elements Correct? Automated Verification and Applications <i>Susan Hohenberger (Johns Hopkins University), Satyanarayanan Vusirikala (University of Texas at Austin)</i></p> <p>Post-Collusion Security and Distance Bounding <i>Sjouke Mauw (SnT/CSC, University of Luxembourg), Zach Smith (CSC, University of Luxembourg), Jorge Toro-Pozo (CSC, University of Luxembourg), Rolando Trujillo-Rasua (School of Information Technology, Deakin University)</i></p>	<p style="text-align: center;">Session 4E: Privacy III <i>Chair: Yang Zhang</i></p> <p>Five Years of the Right to be Forgotten <i>Kurt Thomas, Theo Bertram, Elie Burstein, Stephanie Caro, Hubert Chao, Rutledge Chin Feman, Peter Fleischer, Albin Gustafsson, Jess Hemery, Chris Hibbert, Luca Invernizzi, Lanah Kammourieh Donnelly, Jason Keteover, Jay Laefer, Paul Nicholas, Yuan Niu, Harjinder Obhi, David Price, Andrew Strait, Al Verney (Google)</i></p> <p>(Un)informed Consent: Studying GDPR Consent Notices in the Field <i>Christine Utz (Ruhr-Universität Bochum), Martin Degeling (Ruhr-Universität Bochum), Sascha Fahl (Ruhr-Universität Bochum), Florian Schaub (University of Michigan), Thorsten Holz (Ruhr-Universität Bochum)</i></p> <p>Moving Beyond Set-It-And-Forget-It Privacy Settings on Social Media <i>Mainack Mondal (Cornell University / University of Chicago), Güncü Su Yilmaz (University of Chicago), Noah Hirsch (University of Chicago), Mahammad Taha Khan (University of Illinois at Chicago), Michael Tang (University of Chicago), Christopher Tran (University of Illinois at Chicago), Chris Kanich (University of Illinois at Chicago), Base Ur (University of Chicago), Elena Zheleva (University of Illinois at Chicago)</i></p>
10:30	Coffee Break				
11:00	<p style="text-align: center;">Session 5A: Software Security <i>Chair: Hao Chen</i></p> <p>Binary Control-Flow Trimming <i>Masoud Ghaffarinia (University of Texas at Dallas), Kevin Hamlen (University of Texas at Dallas)</i></p> <p>Program-mandering: Quantitative Privilege Separation <i>Shen Liu, Dongrui Zeng, Yongzhe Huang, Frank Capobianco (The Pennsylvania State University, University Park), Stephen McCamant (University of Minnesota, Twin Cities), Trent Jaeger, Gang Tan (The Pennsylvania State University, University Park)</i></p>	<p style="text-align: center;">Session 5B: Protocols <i>Chair: Carmit Hazay</i></p> <p>Flexible Byzantine Fault Tolerance <i>Dahlia Malkhi (VMware Research), Kartik Nayak (VMware Research), Ling Ren (VMware Research)</i></p> <p>Distributed Vector-OLE: Improved Constructions and Implementation <i>Adrià Gascón (The Alan Turing Institute / University of Warwick), Mariana Raykova (Google), Leonie Reichert (Humboldt-Universität zu Berlin), Philipp Schoppmann (Humboldt-Universität zu Berlin)</i></p>	<p style="text-align: center;">Session 5C: Cloud Security II <i>Chair: Kun Sun</i></p> <p>Houdini's Escape: Breaking the Resource Rein of Linux Control Groups <i>Xing Gao (University of Memphis), Zhongshu Gu (IBM Research), Zhongfu Li (Independent Researcher), Hani Jamjoum (IBM Research), Cong Wang (Old Dominion University)</i></p> <p>Insecure Until Proven Updated: Analyzing AMD SEV's Remote Attestation <i>Robert Buhren (Technische Universität Berlin), Christian Wiering (Hasso Plattner Institute, Potsdam), Jean-Pierre Seifert (Technische Universität Berlin)</i></p>	<p style="text-align: center;">Session 5D: SDN Security <i>Chair: Seungwon Shin</i></p> <p>An In-Depth Look Into SDN Topology Discovery Mechanisms: Novel Attacks and Practical Countermeasures <i>Eduard Marin (University of Birmingham), Nicola Buccioli (University of Padua), Mauro Conti (University of Padua)</i></p> <p>Proof-Carrying Network Code <i>Christian Skalka, John Ring, David Darais (University of Vermont), Minseok Kwon, Sahil Gupta, Kyle Diller (Rochester Institute of Technology), Steffen Smolka, Nate Foster (Cornell University)</i></p>	<p style="text-align: center;">Session 5E: Fingerprinting <i>Chair: Nils Tippenhauer</i></p> <p>Triplet Fingerprinting: More Practical and Portable Website Fingerprinting with N-shot Learning <i>Payap Srinam (Navaminda Kasatriyadhiraj Royal Air Force Academy), Nate Matthews, Mohammad Soudur Rahman, Matthew Wight (Rochester Institute of Technology)</i></p> <p>DeMiCPU: Device Fingerprinting with Magnetic Signals Radiated by CPU <i>Yushi Cheng (Zhejiang University), Xiaoyu Ji (Zhejiang University), Juchuan Zhang (Zhejiang University), Wenyuan Xu (Zhejiang University), Yi-Chao Chen (University of Texas at Austin)</i></p>
12:00	Lunch Break (Monarch)				
13:30	<p style="text-align: center;">Session 6A: Biometrics Security <i>Chair: Kehuan Zhang</i></p> <p>Multisketches: Practical Secure Sketches Using Off-the-Shelf Biometric Matching Algorithms <i>Rahul Chatterjee (Cornell University), M. Sadeq Riaz (UCSD), Tanmay Chowdhury (GMU), Emanuela Marasco (GMU), Farinaz Koushanfar (UCSD), Ari Juels (Jacobs Institute, Cornell Tech)</i></p> <p>28 Blinks Later: Tackling Practical Challenges of Eye Movement Biometrics <i>Simon Eberz (University of Oxford), Giulio Lovisotto (University of Oxford), Kasper Rasmussen (University of Oxford), Vincent Lenders (Armasuisse), Ivan Martinovic (University of Oxford)</i></p> <p>Velody: Nonlinear Vibration Challenge-Response for Resilient User Authentication <i>Qing Wang (University of Wisconsin-Madison), Youngshun Kim (University of Wisconsin-Madison), Kassem Fawaz (University of Wisconsin-Madison)</i></p> <p>The Catcher in the Field: A Fieldprint based Spoofing Detection for Text-Independent Speaker Verification <i>Chen Yan (Zhejiang University), Yan Long (Zhejiang University), Xiaoyu Ji (Zhejiang University), Wenyuan Xu (Zhejiang University)</i></p>	<p style="text-align: center;">Session 6B: ML Security II <i>Chair: Neil Gong</i></p> <p>QUOTIENT: Two-Party Secure Neural Network Training and Prediction <i>Adria Gascon (The Alan Turing Institute), Ali Shahin Shamsabadi (Queen Mary University London), Nitin Agrawal (University of Oxford), Matthew Kusner (University of Oxford, The Alan Turing Institute)</i></p> <p>Quantitative Verification of Neural Networks and Its Security Applications <i>Teodora Baluta (National University of Singapore), Shiqi Shen (National University of Singapore), Shweta Shinde (University of California, Berkeley), Kuldeep S. Meel (National University of Singapore), Prateek Saxena (National University of Singapore)</i></p> <p>ABS: Scanning Neural Networks for Back-doors by Artificial Brain Stimulation <i>Yingqi Liu (Purdue University), Wen-Chuan Lee (Purdue University), Guanhong Tao (Purdue University), Shiang Ma (Purdue University), Youssa Adfer (Purdue University), Xiangyu Zhang (Purdue University)</i></p> <p>Lifelong Anomaly Detection Through Unlearning <i>Min Du (University of California Berkeley), Zhi Chen (University of California Berkeley), Chang Liu (Citadel Securities), Rayardhan Oak (University of California Berkeley), Dawn Song (University of California Berkeley)</i></p>	<p style="text-align: center;">Session 6C: Secure Computing VI <i>Chair: Mike Rosulek</i></p> <p>PIEs: Public Incompressible Encodings for Decentralized Storage <i>Ethan Cecchetti (Cornell University), Benjamin Fisch (Stanford University), Ian Miers (Cornell Tech), Ari Juels (Jacobs Institute, Cornell Tech)</i></p> <p>Probabilistic Data Structures in Adversarial Environments <i>David Clayton (University of Florida), Christopher Patton (University of Florida), Thomas Shrimpton (University of Florida)</i></p> <p>Transparency Logs via Append-only Authenticated Dictionaries <i>Alin Tomescu (MIT), Vivek Bhupatiraju (Lexington High School), Dimitrios Papadopoulos (Hong Kong University of Science and Technology), Charalampos Papamanthou (University of Maryland), Nikos Triandopoulos (Stevens Institute of Technology), Srinivas Devadas (MIT)</i></p> <p>Make Some ROOM for the Zeros: Data Sparsity in Secure Distributed Machine Learning <i>Phillipp Schoppmann (Humboldt-Universität zu Berlin), Adrià Gascon (The Alan Turing Institute, University of Warwick), Mariana Raykova (Google), Benny Pinkas (Bar Ilan University)</i></p>	<p style="text-align: center;">Session 6D: Cyber Threat <i>Chair: Ting Yu</i></p> <p>Log2vec: A Heterogeneous Graph Embedding Based Approach for Detecting Cyber Threats within Enterprise <i>Fucheng Lu, Yu Wen, Dongxue Zhang, Xihai Jiang (Chinese Academy of Science), Xinyu Xing (The Pennsylvania State University), Dan Meng (Chinese Academy of Science)</i></p> <p>POIROT: Aligning Attack Behavior with Kernel Audit Records for Cyber Threat Hunting <i>Sadeq M. Mijaridi (UIUC), Birhana Eshete (University of Michigan-Dearborn), Rigel Gjomemo (UIUC), V.N. Venkatakrisnan (UIUC)</i></p> <p>Effective and Light-Weight Deobfuscation and Semantic-Aware Attack Detection for PowerShell Scripts <i>Zhenyuan Li (Zhejiang University), Qi Alfred Chen (University of California, Irvine), Chunlin Xiang (Zhejiang University), Yan Chen (Northwestern University), Tiantian Zhu (Zhejiang University of Technology), Hai Yang (MagicShield Inc)</i></p> <p>MalMax: Multi-Aspect Execution for Automated Dynamic Web Server Malware Analysis <i>Abbas Naderi-Afaoshteh (University of Virginia), Yonghui Kwon (University of Virginia), Jack Davidson (University of Virginia), Anh Nguyen-Tuong (University of Virginia), Ali Razmjoo-Qalaei, Mohammad-Reza Zamiri-Gourabi (ZDRResearch)</i></p>	<p style="text-align: center;">Session 6E: Passwords and Accounts <i>Chair: Blase Ur</i></p> <p>How to (not) share a password: Privacy preserving protocols for finding heavy hitters with adversarial behavior <i>Moni Naor (Weizmann Institute), Benny Pinkas (Bar Ilan University), Eyal Ronen (Tel Aviv University, KU Leuven)</i></p> <p>Protocols for Checking Compromised Credentials <i>Lucy Li (Cornell University), Bjeeta Pal (Cornell University), Junade Ali (Cloudflare Inc.), Nick Sullivan (Cloudflare Inc.), Rahul Chatterjee (Cornell University), Thomas Ristenpart (Cornell Tech)</i></p> <p>User Account Access Graphs <i>Sven Hammann (ETH Zurich), Sasa Radomirovic (University of Dundee), Raff Sasse (ETH Zurich), David Basin (ETH Zurich)</i></p> <p>Detecting Fake Accounts in Online Social Networks at the Time of Registrations <i>Dong Yuan (Tsinghua University), Yuanli Miao (Tsinghua University), Neil Zhenqiang Gong (Duke University), Zheng Yang (Tsinghua University), Qi Li (Tsinghua University), Dawn Song (UC Berkeley), Qian Wang (Wuhan University), Xiao Liang (Tencent)</i></p>
15:30	Coffee Break				
16:00	<p style="text-align: center;">Session 7A: Internet of Things <i>Chair: Kangjie Lu</i></p> <p>Charting the Attack Surface of Trigger-Action IoT Platforms <i>Qi Wang, Pubali Datta (University of Illinois at Urbana-Champaign), Wei Yang (The University of Texas at Dallas), Si Liu, Carl Gunter, Adam Bates (University of Illinois at Urbana-Champaign)</i></p> <p>Peeves: Physical Event Verification in Smart Homes <i>Simon Birnbach (University of Oxford), Simon Eberz (University of Oxford), Ivan Martinovic (University of Oxford)</i></p> <p>Automatic Fingerprinting of Vulnerable BLE IoT Devices with Static UUIDs from Mobile Apps <i>Chaoshun Zuo (Ohio State University), Haohuang Wen (Ohio State University), Zhiqiang Lin (Ohio State University), Yinqian Zhang (Ohio State University)</i></p>	<p style="text-align: center;">Session 7B: Blockchain III <i>Chair: Danfeng Yao</i></p> <p>Balance: Dynamic Adjustment of Cryptocurrency Deposits <i>Dominik Horz (Imperial College London), Lewis Gudgeon (Imperial College London), Arthur Gervais (Imperial College London), William J. Knottnerbell (Imperial College London)</i></p> <p>TokenScope: Automatically Detecting Inconsistent Behaviors of Cryptocurrency Tokens in Ethereum <i>Ting Chen, Yufei Zhang, Zihao Li (University of Electronic Science and Technology of China), Xiapu Luo (The Hong Kong Polytechnic University), Ting Wang (Lehigh University), Rong Cao, Xiuzhuo Xiao, Xiaosong Zhang (University of Electronic Science and Technology of China)</i></p> <p>Tesseract: Real-Time Cryptocurrency Exchange Using Trusted Hardware <i>Ido Bentov (Cornell Tech), Ari Juels (Cornell Tech), Fan Zhang (Cornell Tech), Yan Ji (Cornell Tech), Phil Daban (Cornell Tech), Lorenz Breidenbach (ETH Zurich)</i></p>	<p style="text-align: center;">Session 7C: Secure Computing V <i>Chair: Xiaofeng Wang</i></p> <p>Efficient MPC via Program Analysis: A Framework for Efficient Optimal Mixing <i>Muhammad Ishaq (University of Edinburgh), Ana Milanova (Rensselaer Polytechnic Institute), Vasilis Zikas (University of Edinburgh)</i></p> <p>Two-Thirds Honest-Majority MPC for Malicious Adversaries at Almost the Cost of Semi-Honest <i>Jun Furukawa (NEC Israel Research Center), Yehuda Lindell (Bar-Ilan University and Unbound Tech)</i></p> <p>Fast Actively Secure Five-Party Computation with Security Beyond Abort <i>Megha Bhalil (Indian Institute of Science, Bangalore), Carmit Hazay (Bar-Ilan University, Israel), Arpita Patra, Swati Singh (Indian Institute of Science, Bangalore)</i></p>	<p style="text-align: center;">Session 7D: Formal Analysis III <i>Chair: Matteo Maffei</i></p> <p>Signed Cryptographic Program Verification with Typed CryptoLine <i>Yu-Fu Yu (Academia Sinica), Jiaxiang Liu, Xiaomu Shi (Academia Sinica & Shenzhen University), Ming-Hsien Tsai, Bow-Yaw Wang, Bo-Tin Yang (Academia Sinica)</i></p> <p>Machine-Checked Proofs for Cryptographic Standards <i>José Bacelar Almeida (Universidade do Minho & INESC-TEC), Cécile Baritel-Ruet (Université Côte d'Azur & Inria Sophia-Antipolis), Manuel Barbosa (Universidade do Porto & INESC-TEC), Gilles Barthe (MPI-SP & IMDEA Software Institute), François Dupressoir (University of Surrey & University of Bristol), Benjamin Grégoire (Inria Sophia-Antipolis), Vincent Laporte (Inria), Tiago Oliveira (Universidade do Porto & INESC-TEC & FCUP), Alley Stoughton (Boston University), Pierre-Yves Strub (École Polytechnique)</i></p> <p>VeriSketch: Synthesizing Secure Hardware Designs with Timing-Sensitive Information Flow Properties <i>Armani Ardehshircham (UCSD), Yoshiki Takashima (UCSD), Sicun Gao (UCSD), Ryan Kastner (UCSD)</i></p>	<p style="text-align: center;">Session 7E: Privacy-Preserving Techniques <i>Chair: Jonathan Katz</i></p> <p>SEEMless: Secure End-to-End Encrypted Messaging with less Trust <i>Melissa Chase (Microsoft Research), Apoorva Deshpande (Brown University), Esha Ghosh (Microsoft Research), Harjaseel Malwai (Cornell University)</i></p> <p>PrivDPI: Privacy-Preserving Encrypted Traffic Inspection with Reusable Obfuscated Rules <i>Jianting Ning (Fujian Normal University & National University of Singapore), Geong Sen Poh (Trustwave & NUS-Singtel Cyber Security Lab), Ao-Ching Loh (NUS-Singtel Cyber Security Lab), Jason Chia (NUS-Singtel Cyber Security Lab), Ee-Chien Chang (National University of Singapore)</i></p> <p>Updatable Anonymous Credentials and Applications to Incentive Systems <i>Johannes Blömer (Paderborn University), Jan Bolz (Paderborn University), Denis Diermatt (Paderborn University), Fabian Eidens (Paderborn University)</i></p>
17:35	Panel Discussion: Scaling the Academic Security Community (Kings - Sandringham)				
19:00	Banquet (Monarch)				

THURSDAY

	THURSDAY				
7:30	Registration & Breakfast				
9:15	Keynote: N. Asokan - Hardware-assisted Trusted Execution Environments — Look Back, Look Ahead (Kings)				
10:30	Coffee Break				
	Kings - Balmoral	Kings - Sandringham	Windsor	Blenheim	Buckingham
11:00	<p style="text-align: center;">Session 8A: Attacks II Chair: Chao Zhang</p> <p>Gollum: Modular and Greybox Exploit Generation for Heap Overflows in Interpreters <i>Sean Heelan (University of Oxford), Daniel Kroening (University of Oxford), Tom Melham (University of Oxford)</i></p> <p>SLAKE: Facilitating Slab Manipulation for Exploiting Vulnerabilities in the Linux Kernel <i>Yueqi Chen (Pennsylvania State University), Xinyu Xing (Pennsylvania State University)</i></p>	<p style="text-align: center;">Session 8B: TEE I Chair: Yuval Yarom</p> <p>SecTEE: A Software-based Approach to Secure Enclave Architecture Using TEE <i>Shijun Zhao (Chinese Academy of Sciences), Qianying Zhang (Capital Normal University Information Engineering College), Qin Yu, Wei Feng, Dengguo Feng (Chinese Academy of Sciences)</i></p> <p>A Tale of Two Worlds: Assessing the Vulnerability of Enclave Shielding Runtimes <i>Jo Van Bulck (imec-DistriNet, KU Leuven, Belgium), David Oswald (School of Computer Science, University of Birmingham, UK), Abdulla Aldoseri (School of Computer Science, University of Birmingham, UK), Flavio D. Garcia (School of Computer Science, University of Birmingham, UK), Frank Piessens (imec-DistriNet, KU Leuven, Belgium)</i></p>	<p style="text-align: center;">Session 8C: Blockchain VI Chair: Xiaofeng Wang</p> <p>zkay: Specifying and Enforcing Data Privacy in Smart Contracts <i>Samuel Steffen (ETH Zürich), Benjamin Bichsel (ETH Zürich), Mario Gersbach (ETH Zürich), Noa Melchior (ETH Zürich), Petar Tsvankov (ETH Zürich), Martin Vechev (ETH Zürich)</i></p> <p>Privacy Aspects and Subliminal Channels in Zcash <i>Alex Biryukov (University of Luxembourg), Daniel Feher (University of Luxembourg), Giuseppe Vito (University of Luxembourg)</i></p>	<p style="text-align: center;">Session 8D: Language Security Chair: Johannes Kinder</p> <p>Where Does It Go? Refining Indirect-Call Targets with Multi-Layer Type Analysis <i>Kangjie Lu (University of Minnesota), Hong Hu (Georgia Tech)</i></p> <p>Different is Good: Detecting the Use of Uninitialized Variables through Differential Replay <i>Mengchen Cao (Orion Security Lab, Alibaba Group), Xiantong Hou (Orion Security Lab, Alibaba Group), Tao Wang (Orion Security Lab, Alibaba Group), Hunter Qu (Orion Security Lab, Alibaba Group), Yajin Zhou (Zhejiang University), Xiaolong Bai (Orion Security Lab, Alibaba Group), Fawei Wang (Orion Security Lab, Alibaba Group)</i></p>	<p style="text-align: center;">Session 8E: Web Security Chair: Giovanni Vigna</p> <p>HideNoSeek: Camouflaging Malicious JavaScript in Benign ASTs <i>Aurore Fass (CISPA Helmholtz Center for Information Security), Michael Backes (CISPA Helmholtz Center for Information Security), Ben Stock (CISPA Helmholtz Center for Information Security)</i></p> <p>Your Cache Has Fallen: Cache-Poisoned Denial-of-Service Attack <i>Hoai Viet Nguyen (Cologne University of Applied Sciences), Luigi Lo Iacono (Cologne University of Applied Sciences), Hannes Federrath (University of Hamburg)</i></p>
12:00	Lunch Break (Monarch)				
13:30	<p style="text-align: center;">Session 9A: User Study Chair: Kassem Fawaz</p> <p>"I don't see why I would ever want to use it": Analyzing the Usability of Popular Smartphone Password Managers <i>Sunyoung Sailer-Hwang (University of Mannheim), Patricia Arias-Cabarcos (University of Mannheim), Andrés Marin (University Carlos III of Madrid), Florina Almenares (University Carlos III of Madrid), Daniel Diaz-Sánchez (University Carlos III of Madrid), Christian Becker (University of Mannheim)</i></p> <p>Matched and Mismatched SOCs: A Qualitative Study on Security Operations Center Issues <i>Faris Bugra Kokulu (Arizona State University), Ananta Sonaji (Arizona State University), Tiffany Bao (Arizona State University), Yan Shoshitaishvili (Arizona State University), Ziming Zhao (Rochester Institute of Technology), Adam Doupe (Arizona State University), Gail-Joon Ahn (Arizona State University and Samsung Research)</i></p> <p>A Usability Evaluation of Let's Encrypt and Certbot - Usable Security Done Right? <i>Christian Tiefenau (University of Bonn), Emanuel von Zezschwitz (University of Bonn, Fraunhofer FKIE), Maximilian Häring (Fraunhofer FKIE), Katharina Krombholz (CISPA Helmholtz Center for Information Security), Matthew Smith (University of Bonn, Fraunhofer FKIE)</i></p>	<p style="text-align: center;">Session 9B: ML Security III Chair: Efsandar Mohammadi</p> <p>Seeing isn't Believing: Towards More Robust Adversarial Attack Against Real World Object Detectors <i>Yue Zhao, Hong Zhu, Ruigang Liang, Qintao Shen (Chinese Academy of Sciences), University of Chinese Academy of Sciences, Shengzhi Zhang (Metropolitan College, Boston University), Kai Chen (Chinese Academy of Sciences), University of Chinese Academy of Sciences)</i></p> <p>Adversarial: Perceptual Ad Blocking meets Adversarial Machine Learning <i>Florian Tramèr (Stanford University), Pascal Dupré (CISPA), Gill Rusak (Stanford), Giancarlo Pellegrino (Stanford University, CISPA), Dan Boneh (Stanford University)</i></p> <p>Attacking Graph-based Classification via Manipulating the Graph Structure <i>Binghui Wang (Duke University), Neil Zhenqiang Gong (Duke University)</i></p>	<p style="text-align: center;">Session 9C: Zero-Knowledge Proofs Chair: Daniel Genkin</p> <p>Succinct Arguments for Bilinear Group Arithmetic: Practical Structure-Preserving Cryptography <i>Russell W. F. Lai (Friedrich-Alexander-University Erlangen-Nuremberg), Giulia Malavolta (Carnegie Mellon University), Viktorija Ronge (Friedrich-Alexander-University Erlangen-Nuremberg)</i></p> <p>LegoSNAK: Modular Design and Composition of Succinct Zero-Knowledge Proofs <i>Matteo Campanelli (IMDEA Software Institute, Madrid, Spain), Dario Fiore (IMDEA Software Institute, Madrid, Spain), Anaïs Querol (IMDEA Software Institute, Madrid, and Universidad Politécnica de Madrid, Spain)</i></p> <p>Efficient Zero-Knowledge Arguments in the Discrete Log Setting, Revisited <i>Michael Kloof (Karlsruhe Institute of Technology), Max Hoffmann (Ruhr University Bochum), Andy Rupp (Karlsruhe Institute of Technology)</i></p>	<p style="text-align: center;">Session 9D: Signatures Chair: Dominique Schröder</p> <p>The SPHINCS+ signature framework <i>Andreas Hülsing (TU Eindhoven), Peter Schwabe (RU Nijmegen), Joost Rijneveld (RU Nijmegen), Stefan Kölbl (Cybercrypt), Daniel J Bernstein (University of Illinois at Chicago and Ruhr University Bochum), Ruben Niederhagen (SIT Fraunhofer)</i></p> <p>GALACTICS: Gaussian Sampling for Lattice-Based Constant-Time Implementation of Cryptographic Signatures, Revisited <i>Gilles Barthe (MPI-SP and IMDEA Software Institute), Sonia Belaïd (CryptoExperts), Thomas Espitau (Sorbonne Université), Pierre-Alain Fouque (Univ Rennes), Mélissa Ross (ENS and Thales), Mehdi Tibouchi (NTT Corporation)</i></p> <p>Seems Legit: Automated Analysis of Subtle Attacks on Protocols that use Signatures <i>Dennis Jackson (University of Oxford), Katriel Cohn-Gordon (Facebook), Cas Cremers (CISPA Helmholtz Center for Information Security), Ralf Sasse (ETH Zürich)</i></p>	<p style="text-align: center;">Session 9E: Web Censorship and Auditing Chair: Rob Jansen</p> <p>Geneva: Evolving Censorship Evasion Strategies <i>Kevin Bock (University of Maryland), George Hughey (University of Maryland), Xiao Qiang (UC Berkeley), Dave Levin (University of Maryland)</i></p> <p>Conjure: Summoning Proxies from Unused Address Space <i>Sergey Frolov (University of Colorado Boulder), Jack Wampler (University of Colorado Boulder), See-Chuan Tan (UIUC), Alex Holderman (University of Michigan), Nikita Borisov (UIUC), Eric Wustrow (University of Colorado Boulder)</i></p> <p>You Shall Not Join: A Measurement Study of Cryptocurrency Peer-to-Peer Bootstrapping Techniques <i>Angelique Faye Loy (Royal Holloway, University of London), Elizabeth Quaglia (Royal Holloway, University of London)</i></p>
15:30	Coffee Break				
16:00	<p style="text-align: center;">Session 10A: Cyberphysical Security Chair: Soteris Demetriou</p> <p>Adversarial Sensor Attack on LiDAR-based Perception in Autonomous Driving <i>Yulong Cao (University of Michigan), Chaowei Xiao (University of Michigan), Benjamin Cyr (University of Michigan), Yimeng Zhou (University of Michigan), Won Park (University of Michigan), Sara Rampazzi (University of Michigan), Qi Alfred Chen (University of California, Irvine), Kevin Fu (University of Michigan), Z. Morley Mao (University of Michigan)</i></p> <p>LibreCAN: Automated CAN Message Translator <i>Mert D. Pesé (University of Michigan, Ann Arbor), Troy Stacer (University of Michigan, Ann Arbor), C. Andrés Campos (University of Michigan, Ann Arbor), Eric Newberry (University of Michigan, Ann Arbor), Dongyao Chen (University of Michigan, Ann Arbor), Kang G. Shin (University of Michigan, Ann Arbor)</i></p> <p>Trick or Heat? Manipulating Critical Temperature-Based Control Systems using Rectification attacks <i>Yazhou Tu (University of Louisiana at Lafayette), Sara Rampazzi (University of Michigan), Bin Hao (University of Louisiana at Lafayette), Angel Rodriguez (University of Michigan), Kevin Fu (University of Michigan), Xiaoli Hei (University of Louisiana at Lafayette)</i></p>	<p style="text-align: center;">Session 10B: TEE II Chair: Sven Bugiel</p> <p>OPERA: Open Remote Attestation for Intel's Secure Enclaves <i>Guoxing Chen (The Ohio State University), Yinqiao Zhang (The Ohio State University), Ten-Hwang Lai (The Ohio State University)</i></p> <p>Towards Memory Safe Enclave Programming with Rust-SGX <i>Huibao Wang (University of Texas at Dallas), Pei Wang (Baidu X-Lab), Yu Ding (Baidu X-Lab), Mingshen Sun (Baidu X-Lab), Yiming Jing (Baidu X-Lab), Ran Duan (Baidu X-Lab), Long Li (Baidu X-Lab), Yulong Zhang (Baidu X-Lab), Tao Wei (Baidu X-Lab), Zhiqiang Lin (Ohio State University)</i></p> <p>LightBox: Full-stack Protected Stateful Middlebox at Lightning Speed <i>Huayi DUAN (City University of Hong Kong), Cong Wang (City University of Hong Kong), Xinglang Yuan (Monash University), Yajin Zhou (Zhejiang University), Qian Wang (Wuhan University), Kui Ren (Zhejiang University)</i></p>	<p style="text-align: center;">Session 10C: Secret Sharing Chair: Lorenzo Cavallaro</p> <p>CHURP: Dynamic-Committee Proactive Secret Sharing <i>Sai Krishna Deepak Maram (Cornell Tech), Fan Zhang (Cornell Tech), Lun Wang (UC Berkeley), Andrew Low (UC Berkeley), Yuzeng Zhang (UC Berkeley and Texas A&M), Ari Juels (Jacobs Institute, Cornell Tech), Dawn Song (UC Berkeley)</i></p> <p>Efficient Verifiable Secret Sharing with Share Recovery in BFT Protocols <i>Soumya Basu (Cornell University, IC3, VMware Research), Alin Tomescu (MIT, VMware Research), Ittai Abraham (VMware Research), Dahlia Malkhi (VMware), Mike Reiter (UNC, VMware Research), Emin Gün Sirer (Cornell, IC3)</i></p> <p>Two-party Private Set Intersection with an Untrusted Third Party. <i>Phi Hung Le (George Mason University), Samuel Ranellucci (University of Maryland, George Mason University), S. Dov Gordon (George Mason University)</i></p>	<p style="text-align: center;">Session 10D: Mobile Security Chair: Adam Doupe</p> <p>DeepIntent: Deep Icon-Behavior Learning for Detecting Intention-Behavior Discrepancy in Mobile Apps <i>Shengqu Xi (Nanjing University), Shao Yang (Case Western Reserve University), Xusheng Xiao (Case Western Reserve University), Yuan Yao (Nanjing University), Yuyuan Xiong (Nanjing University), Fengyuan Xu (National Key Lab for Novel Software Technology, Nanjing University), Haoyu Wang (Beijing University of Posts and Telecommunications), Peng Gao (University of California, Berkeley), Zhuotao Liu (University of Illinois at Urbana-Champaign), Feng Xu (Nanjing University), Jian Lu (Nanjing University)</i></p> <p>The Art and Craft of Fraudulent App Promotion in Google Play <i>Mizanur Rahman (Amazon), Nestor Hernandez (FUJ), Ruben Recabarren (FUJ), Syed Ishtiaque Ahmed (University of Toronto), Bogdan Carbutar (FUJ)</i></p> <p>CryptoGuard: High Precision Detection of Cryptographic Vulnerabilities in Massive-sized Java Projects <i>Sazzadur Rahman (Virginia Tech), Ya Xiao (Virginia Tech), Sharmin Afrose (Virginia Tech), Fahad Shaon (The University of Texas at Dallas), Ke Tian (Virginia Tech), Miles Frantz (Virginia Tech), Danfeng (Daphne) Yao (Virginia Tech), Murat Kantarcioglu (The University of Texas at Dallas)</i></p>	<p style="text-align: center;">Session 10E: Certificates Chair: Tudor Dumitras</p> <p>Let's Encrypt: An Automated Certificate Authority to Encrypt the Entire Web <i>Josh Aas (Let's Encrypt), Richard Barnes (Cisco), Benton Case (Stanford University), Zakir Durumeric (Stanford University), Peter Eckersley (Electronic Frontier Foundation), Alan Flores-López (Stanford University), J. Alex Halderman (University of Michigan), Jacob Hoffman-Andrews (Electronic Frontier Foundation), James Kasten (University of Michigan), Eric Rescorla (Mozilla), Seth Schoen (Electronic Frontier Foundation), Brad Warren (Electronic Frontier Foundation)</i></p> <p>You Are Who You Appear to Be: A Longitudinal Study of Domain Impersonation in TLS Certificates <i>Richard Roberts (University of Maryland), Yaelle Goldschlag (University of Maryland), Rachel Walter (University of Maryland), Taejoong Chung (Rochester Institute of Technology), Alan Mislove (Northeastern University), Dave Levin (University of Maryland)</i></p> <p>Certificate Transparency in the Wild: Exploring the Reliability of Monitors <i>Bingyu Li (Institute of Information Engineering, CAS), Jinqiang Lin (Institute of Information Engineering, CAS), Fengjun Li (The University of Kansas, Lawrence), Qiongxiao Wang (Institute of Information Engineering, CAS), Qi Li (Tsinghua University, China), Jiwu Jing, Congli Wang (Institute of Information Engineering, CAS)</i></p>