Table of Contents

Technical Strand

Authenticated Encryption Primitives for Size-Constrained Trusted Computing	1
Auditable Envelopes: Tracking Anonymity Revocation Using Trusted Computing	19
Lockdown: Towards a Safe and Practical Architecture for Security Applications on Commodity Platforms	34
Experimenting with Fast Private Set Intersection	55
Reliable Device Sharing Mechanisms for Dual-OS Embedded Trusted Computing	74
Modelling User-Centered-Trust (UCT) in Software Systems: Interplay of Trust, Affect and Acceptance Model	92
Clockless Physical Unclonable Functions	110
Lightweight Distributed Heterogeneous Attested Android Clouds Martin Pirker, Johannes Winter, and Ronald Toegl	122
Converse PUF-Based Authentication	142
Trustworthy Execution on Mobile Devices: What Security Properties Can My Mobile Platform Give Me?	159
Verifying System Integrity by Proxy	1 7 9

XII Table of Contents

Virtualization Based Password Protection against Malware in	
Untrusted Operating Systems	201
SmartTokens: Delegable Access Control with NFC-Enabled Smartphones	219
Alexandra Dmitrienko, Ahmad-Reza Sadeghi, Sandeep Tamrakar, and Christian Wachsmann	
A Belief Logic for Analyzing Security of Web Protocols	239
Provenance-Based Model for Verifying Trust-Properties	255
Socio-economic Strand	
On the Practicality of Motion Based Keystroke Inference Attack Liang Cai and Hao Chen	273
AndroidLeaks: Automatically Detecting Potential Privacy Leaks in Android Applications on a Large Scale	291
Why Trust Seals Don't Work: A Study of User Perceptions and Behavior	308
Launching the New Profile on Facebook: Understanding the Triggers and Outcomes of Users' Privacy Concerns	325
Author Index	341