## Table of Contents

## Invited Paper Manas Pathak, Jose Portelo, Bhiksha Raj, and Isabel Trancoso Cryptography and Cryptanalysis Differential Attacks on Reduced RIPEMD-160..... 23 Florian Mendel, Tomislav Nad, Stefan Scherz, and Martin Schläffer Revisiting Difficulty Notions for Client Puzzles and DoS Resilience . . . . 39 Boqdan Groza and Boqdan Warinschi On Optimal Bounds of Small Inverse Problems and Approximate GCD 55 Noboru Kunihiro **Mobility** Strong Authentication with Mobile Phone..... 70 Sanna Suoranta, André Andrade, and Tuomas Aura Measuring SSL Indicators on Mobile Browsers: Extended Life, or End 86 Chaitrali Amrutkar, Patrick Traynor, and Paul C. van Oorschot Cards and Sensors Domain-Specific Pseudonymous Signatures for the German Identity 104 Jens Bender, Özgür Dagdelen, Marc Fischlin, and Dennis Kügler Solutions for the Storage Problem of McEliece Public and Private Keys 120 Falko Strenzke

100% Connectivity for Location Aware Code Based KPD in Clustered

Samiran Bag, Aritra Dhar, and Pinaki Sarkar



136

## Software Security

Detection	151
Dynamic Anomaly Detection for More Trustworthy Outsourced	
Computation	168
An Empirical Study of Dangerous Behaviors in Firefox Extensions Jiangang Wang, Xiaohong Li, Xuhui Liu, Xinshu Dong, Junjie Wang, Zhenkai Liang, and Zhiyong Feng	188
Processing Encrypted Data	
Collaboration-Preserving Authenticated Encryption for Operational Transformation Systems	204
Selective Document Retrieval from Encrypted Database	224
Additively Homomorphic Encryption with a Double Decryption Mechanism, Revisited	242
Authentication and Identification	
Secure Hierarchical Identity-Based Identification without Random	
Oracles	258
Efficient Two-Move Blind Signatures in the Common Reference String Model	274
New Directions in Access Control	
Compliance Checking for Usage-Constrained Credentials in Trust Negotiation Systems	290
A Quantitative Approach for Inexact Enforcement of Security Policies	306

Author Index .....

Table of Contents

XIII

401