

1. Record Nr.	UNIPARTHENOPE000008937
Titolo	Cantiere Europa: le riforme istituzionali dell'Unione : atti del Convegno, Napoli 6-7 giugno 2003 / a cura di Maria Luisa Tufano
Pubbl/distr/stampa	Napoli : Editoriale scientifica, 2004
ISBN	88-89373-05-9 978-88-89373-05-7
Descrizione fisica	232 p. ; 21 cm
Collana	Jus gentium Europaeum ; 6
Disciplina	341.2422
Collocazione	H-0226 341-C/20
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	In testa al front.: Università degli studi di Napoli Partenope, Facoltà di giurisprudenza

2.	Record Nr.	UNIPARTHENOE000026701
	Autore	Croce, Benedetto
	Titolo	Come il Marx fece passare il comunismo dall'utopia alla scienza : saggi / Benedetto Croce
	Pubbl/distr/stampa	Bari : G. Laterza e Figli, 1948
	Titolo uniforme	Come il Marx fece passare il comunismo dall'utopia alla scienza
	Descrizione fisica	48 p. ; 22 cm
	Disciplina	335.411
	Collocazione	DEP V-0189
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
3.	Record Nr.	UNINA9910855395303321
	Titolo	Advances in Cryptology – EUROCRYPT 2024 : 43rd Annual International Conference on the Theory and Applications of Cryptographic Techniques, Zurich, Switzerland, May 26–30, 2024, Proceedings, Part V // edited by Marc Joye, Gregor Leander
	Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
	ISBN	3-031-58740-5
	Edizione	[1st ed. 2024.]
	Descrizione fisica	1 online resource (479 pages)
	Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 14655
	Disciplina	005.8
	Soggetti	Cryptography Data encryption (Computer science) Data protection Computer networks - Security measures Computer networks Information technology - Management Cryptology Security Services Mobile and Network Security Computer Communication Networks Computer Application in Administrative Data Processing

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Preface -- Organization -- Contents - Part V -- Multi-party Computation and Zero-Knowledge (I/II) -- Efficient Arithmetic in Garbled Circuits -- 1 Introduction -- 1.1 Contribution -- 1.2 Background and Related Work -- 1.3 Summary of Our Approach -- 2 Preliminaries -- 2.1 Cryptographic Assumption -- 2.2 Garbling Schemes -- 2.3 Modular Arithmetic -- 2.4 Chinese Remainder Theorem -- 2.5 Barrett's Modular Reduction -- 2.6 Miscellaneous Notation -- 3 Garbled Switch Systems -- 3.1 Generalizing Free XOR -- 3.2 Switch Systems -- 3.3 Garbling Switch Systems -- 4 Generalized One Hot Garbling -- 4.1 Our Approach to One-Hot Garbling -- 4.2 Half Multiplication -- 4.3 Conversions -- 5 Garbled Arithmetic from Switch Systems -- 5.1 Short Integers -- 5.2 Long Integers -- References -- Can Alice and Bob Guarantee Output to Carol? -- 1 Introduction -- 1.1 Our Results -- 1.2 Our Techniques -- 1.3 Organization -- 2 Preliminaries -- 3 Statement of Our Results -- 3.1 An Equivalent Characterization -- 4 Impossibility of Computing Strong Semi-Balanced Functionalities -- 5 A Positive Result for Solitary Output Computation -- 6 Application: Analysis of the Disjointness Functionality -- References -- SPRINT: High-Throughput Robust Distributed Schnorr Signatures -- 1 Introduction -- 1.1 Other Techniques -- 1.2 Prior Work -- 1.3 Subsequent Work -- 1.4 Organization -- 2 Technical Overview -- 2.1 Starting Point: The GJKR Protocol -- 2.2 The Agreement Protocol -- 2.3 Signing Many Messages in Parallel -- 2.4 Using Super-Invertible Matrices -- 2.5 Using Packed Secret Sharing -- 2.6 More Efficient Signing -- 2.7 The Dynamic Setting -- 2.8 Sub-sampling the Committees -- 2.9 More Optimizations -- 2.10 Parameters and Performance -- 3 The SPRINT Protocols -- 3.1 Static-Committee Setting -- 3.2 The Dynamic/Proactive Setting -- 4 The Agreement Protocol. 4.1 Agreement in SPRINT, the Static Case -- 4.2 Agreement in the Dynamic/Proactive Setting -- References -- Efficient and Generic Methods to Achieve Active Security in Private Information Retrieval and More Advanced Database Search -- 1 Introduction -- 1.1 Our Results -- 1.2 Related Work -- 2 Technical Overview -- 2.1 Non-interactive Actively Secure Protocols -- 2.2 Interactive Actively Secure Protocols -- 3 Preliminaries -- 3.1 Secure Computation in the Client-Servers Setting -- 3.2 Existing Passively Secure Protocols -- 4 Interactive Actively Secure Protocols -- 4.1 Graph Theory -- 4.2 Formalization of Conflict-Finding Protocols -- 4.3 Compiler from Conflict-Finding to Actively Secure Protocols -- 4.4 Compiler from Passively Secure to Conflict-Finding Protocols -- 4.5 Instantiations -- 5 Non-interactive Actively Secure Protocols -- 5.1 Locally Surjective Map Family -- 5.2 Compiler from Passively Secure to Actively Secure Protocols -- 5.3 Instantiations -- References -- Constant-Round Simulation-Secure Coin Tossing Extension with Guaranteed Output -- 1 Introduction -- 2 Technical Overview -- 2.1 The Round Structure of CTE Protocols -- 2.2 Coin Tossing Extension and Explainable Extractors -- 2.3 Computational Coin Tossing Extension with Long Stretch -- 2.4 A Lower Bound for Statistical Coin Tossing Extension -- 2.5 One-Round Unbiased Sampling from Any Distribution -- 3 One-Round, One-Sample Adaptive Coin Tossing Extension from LWE -- References -- Witness Semantic

Security -- 1 Introduction -- 1.1 Application: Malicious-CRS Security for Non-interactive Zero-Knowledge -- 1.2 Our Results -- 1.3 Other Related Works -- 2 Technical Overview -- 2.1 Defining Witness Semantic Security -- 2.2 NIZK Satisfying Witness Semantic Security with a Malicious CRS -- 3 Preliminaries -- 4 Witness Semantic Security -- 4.1 Verifiable Witness Semantic Security. 4.2 Malicious CRS Non-uniform Zero-Knowledge with Auxiliary Information -- 4.3 Malicious CRS NUZK Implies Malicious CRS Witness Semantic Security -- 4.4 Malicious CRS NUZK Implies Malicious CRS Verifiable Witness Semantic Security -- 4.5 Malicious Reusable CRS Witness Semantic Security -- 5 NIZK with Malicious CRS Witness Semantic Security from LWE -- 5.1 Building Blocks -- 5.2 The Construction -- References -- Garbled Circuit Lookup Tables with Logarithmic Number of Ciphertexts -- 1 Introduction -- 1.1 Contribution -- 2 Related Work -- 3 Preliminaries -- 3.1 Notation and Assumptions -- 3.2 Garbled Sharing -- 3.3 Garbling Schemes -- 3.4 One-Hot Garbling -- 4 Technical Overview -- 4.1 Reducing Lookup Tables to Random Function Evaluation -- 4.2 Evaluating a Uniformly Random Function -- 5 Approach -- 6 Performance -- 7 Security Theorems and Proofs -- References -- Publicly Verifiable Secret Sharing Over Class Groups and Applications to DKG and YOSO -- 1 Introduction -- 1.1 Our Contributions -- 1.2 Related Works -- 2 Preliminaries -- 2.1 Publicly Verifiable Secret Sharing(PVSS) -- 2.2 Background on Class Groups -- 2.3 Zero Knowledge Proofs for Class Groups -- 3 PVSS over Class Groups -- 3.1 The PVSS Scheme -- 3.2 Instantiating the Proofs -- 3.3 Complexity -- 4 Application: Distributed Key Generation -- 4.1 Two-Round DKG with Unbiasable Public Key -- 4.2 One-Round Biasable Public-Key Version -- 5 Application: YOSO MPC -- 5.1 Resharing -- 5.2 Realizing Efficient YOSO MPC -- References -- Bulletproofs++: Next Generation Confidential Transactions via Reciprocal Set Membership Arguments -- 1 Introduction -- 1.1 Contributions -- 1.2 Related Work -- 2 Preliminaries -- 2.1 Zero-Knowledge Arguments of Knowledge -- 3 Technical Overview -- 3.1 Recap: Bulletproofs and Bulletproofs+ -- 3.2 Reciprocal Argument -- 3.3 Norm Linear Argument -- 3.4 Arithmetic Circuits. 4 Norm Linear Argument -- 4.1 Reducing the Vectors -- 4.2 Norm Linear Argument -- 4.3 Full Protocol Description -- 5 Arithmetic Circuits -- 5.1 Protocol Overview -- 6 Reciprocal Argument -- 6.1 Warmup: Reciprocal Argument Protocol -- 6.2 Reciprocal Form Circuits -- 6.3 Reciprocal Range Proofs -- 6.4 Multi-asset Confidential Transactions -- 7 Implementation and Benchmarks -- References -- Perfect Asynchronous MPC with Linear Communication Overhead -- 1 Introduction -- 1.1 Related Work -- 2 Technical Overview -- 2.1 Basic Asynchronous Verifiable Secret Sharing -- 2.2 Our Asynchronous Weak-Binding Secret Sharing -- 2.3 Our MPC Protocol -- 2.4 Multiplication Triplets with a Dealer -- 3 Preliminaries -- 3.1 Asynchronous Secure Computation and SUC -- 4 Verifying Product Relation -- 4.1 Trivariate Polynomial Verification - Functionality -- 4.2 Verifying Product Relation Using Trivariate Polynomial -- 4.3 Trivariate Polynomial Verification - Protocol -- 5 Rate-1 Asynchronous Weak-Binding Secret Sharing -- 6 Verifiable Triple Sharing -- 6.1 Batching for Linear Overhead per Triple -- 7 The MPC Protocol -- References -- Perfect (Parallel) Broadcast in Constant Expected Rounds via Statistical VSS -- 1 Introduction -- 1.1 Our Results -- 1.2 Related Work -- 2 Technical Overview -- 2.1 Efficient Oblivious Leader Election -- 2.2 Efficient Statistical VSS -- 2.3 Putting It All Together -- 3 Preliminaries -- 4 Statistical Verifiable Secret Sharing -- 4.1 Sharing Attempt -- 4.2

Reconstructing Shares -- 4.3 Statistical VSS Protocol -- 5 Batched Multi-moderated Verifiable Secret Sharing -- 5.1 Reconstruction with Moderators -- 5.2 Batching -- 6 Oblivious Leader Election -- 7 Broadcast, and Parallel Broadcast -- References -- Fuzzy Private Set Intersection with Large Hyperballs -- 1 Introduction -- 1.1 Our Contributions -- 1.2 Related Work -- 1.3 Applications.

2 Technical Overview -- 2.1 Recap: Apple's PSI Protocol -- 2.2 Fuzzy Matching for Infinity Distance -- 2.3 Generalized Distance Functions -- 2.4 Fuzzy PSI in Low Dimensions -- 2.5 Extending to High Dimensions -- 3 Preliminaries -- 3.1 Oblivious Key-Value Store (OKVS) -- 3.2 Random Self-reductions of DDH Tuples -- 4 Definitions and Functionalities -- 4.1 Definition of Fuzzy Matching -- 4.2 Definition of Fuzzy (Circuit) Private Set Intersection -- 5 Fuzzy Matching -- 5.1 Fuzzy Matching for Infinity Distance -- 5.2 Fuzzy Matching for Minkowski Distance -- 6 Fuzzy PSI in Low-Dimension Space -- 6.1 Spatial Hashing Techniques -- 6.2 Fuzzy PSI-CA for Infinity Distance -- 6.3 Fuzzy PSI-CA for Minkowski Distance -- 7 Fuzzy PSI in High-Dimension Space -- 7.1 Infinity Distance -- 8 Extending to Broader Functionalities -- 9 Performance Evaluation -- 9.1 Concrete Performance -- 10 Conclusion -- References -- Fast Batched Asynchronous Distributed Key Generation -- 1 Introduction -- 1.1 An MPC Engine Geared Towards Schnorr -- 1.2 Two Problems -- 2 Our Contributions -- 2.1 Solution to Problem 1 -- 2.2 Solution to Problem 2 -- 2.3 Combining the Two Solutions -- 2.4 The Rest of the Paper -- 3 Preliminaries -- 3.1 Asynchronous Verifiable Secret Sharing -- 3.2 Group-Oriented AVSS -- 4 Subprotocols -- 4.1 AVSS -- 4.2 Reliable Broadcast -- 4.3 One-Sided Voting -- 4.4 Random Beacon -- 5 Our New GoAVSS Protocol -- 5.1 Security Analysis of Protocol GoAVSS1 -- 5.2 Complexity Analysis of Protocol GoAVSS1 -- 5.3 A Variation for Large n -- 6 Super-Invertible Matrices from Pascal -- 6.1 The Symmetric Pascal Matrix -- 6.2 The Upper-Triangular Pascal Matrix -- 6.3 Better Super-Invertible Matrices from Hyper-invertible Matrices -- References -- Toward Malicious Constant-Rate 2PC via Arithmetic Garbling -- 1 Introduction -- 1.1 Our Contributions -- 1.2 Technical Overview.

2 Notations and Definitions.

Sommario/riassunto

The 7-volume set LNCS 14651 - 14657 conference volume constitutes the proceedings of the 43rd Annual International Conference on the Theory and Applications of Cryptographic Techniques, EUROCRYPT 2024, held in Zurich, Switzerland, in May 2024. The 105 papers included in these proceedings were carefully reviewed and selected from 500 submissions. They were organized in topical sections as follows: Part I: Awarded papers; symmetric cryptology; public key primitives with advanced functionalities; Part II: Public key primitives with advances functionalities; Part III: AI and blockchain; secure and efficient implementation, cryptographic engineering, and real-world cryptography; theoretical foundations; Part IV: Theoretical foundations; Part V: Multi-party computation and zero-knowledge; Part VI: Multi-party computation and zero-knowledge; classic public key cryptography, Part VII: Classic public key cryptography.