



Dan Boneh

Cryptography Professor and Professor of Electrical Engineering
Computer Science

CONTACT INFORMATION

- **Administrator**

Ruth Harris - Administrative Associate

Email rharris3@stanford.edu

Tel (650) 723-1658

Bio

BIO

Professor Boneh heads the applied cryptography group and co-direct the computer security lab. Professor Boneh's research focuses on applications of cryptography to computer security. His work includes cryptosystems with novel properties, web security, security for mobile devices, and cryptanalysis. He is the author of over a hundred publications in the field and is a Packard and Alfred P. Sloan fellow. He is a recipient of the 2014 ACM prize and the 2013 Godel prize. In 2011 Dr. Boneh received the Ishii award for industry education innovation. Professor Boneh received his Ph.D from Princeton University and joined Stanford in 1997.

ACADEMIC APPOINTMENTS

- Professor, Computer Science
- Professor, Electrical Engineering

HONORS AND AWARDS

- ACM prize, ACM (2015)
- Simons investigator, Simons foundation (2015)
- Godel prize, ACM (2013)
- IACR fellow, IACR (2013)
- Horizon Award, Computerworld (2006)
- Packard Fellow and Sloan Fellow, Packard (present)

PROFESSIONAL EDUCATION

- PhD, Princeton (1996)

LINKS

- <http://crypto.stanford.edu/~dabo>: <http://crypto.stanford.edu/~dabo>

Teaching

COURSES

2025-26

- Cryptocurrencies and blockchain technologies: CS 251 (Aut)
- Introduction to Cryptography: CS 255 (Win)

2024-25

- Advanced Topics in Cryptography: CS 355 (Spr)
- Computer and Network Security: CS 155 (Spr)
- Introduction to Cryptography: CS 255 (Win)

2023-24

- Computer and Network Security: CS 155 (Spr)
- Cryptocurrencies and blockchain technologies: CS 251 (Aut)
- Introduction to Cryptography: CS 255 (Win)

2022-23

- Computer and Network Security: CS 155 (Spr)
- Cryptocurrencies and blockchain technologies: CS 251 (Aut)
- Introduction to Cryptography: CS 255 (Win)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Agur Adams, Samantha Archer, Keller Blackwell, Kimberly Ruth, Luke Sammarone, Robin Linus Woll

Postdoctoral Faculty Sponsor

Binyi Chen

Orals Evaluator

Keller Blackwell, Kimberly Ruth

Doctoral Dissertation Advisor (AC)

Kamilla Nazirkhanova

Master's Program Advisor

Jason Amsler, Balaji Balachandran, Billy Bao, Eva Casto, Devin Fung, Vidur Gupta, Cayleigh Haag, Yavor Litchev, Kerui Lu, Jennifer Mori, David Stutz, Felipe Teixeira, Qi Wu

Doctoral (Program)

Trisha Datta, Jaehyung Kim, Evan Laufer, Ro Nema, Aditi Partap, Megha Srivastava

Publications

PUBLICATIONS

- **Proactive Refresh for Accountable Threshold Signatures**
Boneh, D., Partap, A., Rotem, L.
edited by Clark, J., Shi, E.

SPRINGER INTERNATIONAL PUBLISHING AG.2025: 140-159

- **<i>ExpProof</i> : Operationalizing Explanations for Confidential Models with ZKPs**
Yadav, C., Laufer, E., Boneh, D., Chaudhuri, K.
edited by Singh, A., Fazel, M., Hsu, D., Lacoste-Julien, S., Berkenkamp, F., Maharaj, T., Wagstaff, K., Zhu, J.
JMLR-JOURNAL MACHINE LEARNING RESEARCH.2025: 70183-70204
- **LatticeFold plus : Faster, Simpler, Shorter Lattice-Based Folding for Succinct Proof Systems**
Boneh, D., Chen, B.
edited by Kalai, Y. T., Kamara, S. F.
SPRINGER INTERNATIONAL PUBLISHING AG.2025: 327-361
- **Homomorphic Encryption for Large Integers from Nested Residue Number Systems**
Boneh, D., Kim, J.
edited by Kalai, Y. T., Kamara, S. F.
SPRINGER INTERNATIONAL PUBLISHING AG.2025: 338-370
- **Traceable Verifiable Random Functions**
Boneh, D., Partap, A., Rotem, L.
edited by Kalai, Y. T., Kamara, S. F.
SPRINGER INTERNATIONAL PUBLISHING AG.2025: 203-234
- **VerITAS: Verifying Image Transformations at Scale**
Datta, T., Chen, B., Boneh, D.
edited by Blanton, M., Enck, W., Nita-Rotaru, C.
IEEE COMPUTER SOC.2025: 4606-4623
- **Volatile and Persistent Memory for zkSNARKs via Algebraic Interactive Proofs**
Ozdemir, A., Laufer, E., Boneh, D.
edited by Blanton, M., Enck, W., Nita-Rotaru, C.
IEEE COMPUTER SOC.2025: 3309-3327
- **Cryptoeconomic Security for Data Availability Committees**
Tas, E., Boneh, D.
edited by Baldimtsi, F., Cachin, C.
SPRINGER INTERNATIONAL PUBLISHING AG.2024: 310-326
- **zkPi: Proving Lean Theorems in Zero-Knowledge**
Laufer, E., Ozdemir, A., Boneh, D., ACM
ASSOC COMPUTING MACHINERY.2024: 4301-4315
- **Cryptography and Computer Security: A View From the Year 2100**
Boneh, D., ACM
ASSOC COMPUTING MACHINERY.2024: 1
- **Traceable Secret Sharing: Strong Security and Efficient Constructions**
Boneh, D., Partap, A., Rotem, L.
edited by Reyzin, L., Stebila, D.
SPRINGER INTERNATIONAL PUBLISHING AG.2024: 221-256
- **Accountability for Misbehavior in Threshold Decryption via Threshold Traitor Tracing**
Boneh, D., Partap, A., Rotem, L.
edited by Reyzin, L., Stebila, D.
SPRINGER INTERNATIONAL PUBLISHING AG.2024: 317-351
- **Mangrove: A Scalable Framework for Folding-Based SNARKs**
Nguyen, W., Datta, T., Chen, B., Tyagi, N., Boneh, D.
edited by Reyzin, L., Stebila, D.
SPRINGER INTERNATIONAL PUBLISHING AG.2024: 308-344

- **Powers-of-Tau to the People: Decentralizing Setup Ceremonies**
Nikolaenko, V., Ragsdale, S., Bonneau, J., Boneh, D.
edited by Popper, C., Batina, L.
SPRINGER INTERNATIONAL PUBLISHING AG.2024: 105-134
- **R-Pool and Settlement Markets for Recoverable ERC-20R Tokens**
Wang, K., Wang, Q., Cai, C., Boneh, D., ACM
ASSOC COMPUTING MACHINERY.2023: 49-54
- **Arithmetic Sketching**
Boneh, D., Boyle, E., Corrigan-Gibbs, H., Gilboa, N., Ishai, Y.
edited by Handschuh, H., Lysyanskaya, A.
SPRINGER INTERNATIONAL PUBLISHING AG.2023: 171-202
- **A Lower Bound on the Length of Signatures Based on Group Actions and Generic Isogenies**
Boneh, D., Guan, J., Zhandry, M.
edited by Hazay, C., Stam, M.
SPRINGER INTERNATIONAL PUBLISHING AG.2023: 507-531
- **Do Users Write More Insecure Code with AI Assistants?**
Perry, N., Srivastava, M., Kumar, D., Boneh, D., ACM
ASSOC COMPUTING MACHINERY.2023: 2785-2799
- **Threshold Signatures with Private Accountability**
Boneh, D., Komlo, C.
edited by Dodis, Y., Shrimpton, T.
SPRINGER INTERNATIONAL PUBLISHING AG.2022: 551-581
- **Halo Infinite: Proof-Carrying Data from Additive Polynomial Commitments**
Boneh, D., Drake, J., Fisch, B., Gabizon, A.
edited by Malkin, T., Peikert, C.
SPRINGER INTERNATIONAL PUBLISHING AG.2021: 649-680
- **Secure Complaint-Enabled Source-Tracking for Encrypted Messaging**
Peale, C., Eskandarian, S., Boneh, D., ASSOC COMP MACHINERY
ASSOC COMPUTING MACHINERY.2021: 1484-1506
- **Express: Lowering the Cost of Metadata-hiding Communication with Cryptographic Privacy**
Eskandarian, S., Corrigan-Gibbs, H., Zaharia, M., Boneh, D., USENIX Assoc
USENIX ASSOC.2021: 1775-1792
- **Multiparty Non-Interactive Key Exchange and More From Isogenies on Elliptic Curves** *JOURNAL OF MATHEMATICAL CRYPTOLOGY*
Boneh, D., Glass, D., Krashen, D., Lauter, K., Sharif, S., Silverberg, A., Tibouchi, M., Zhandry, M.
2020; 14 (1): 5–14
- **An Airdrop that Preserves Recipient Privacy**
Wahby, R. S., Boneh, D., Jeffrey, C., Poon, J.
edited by Bonneau, J., Heninger, N.
SPRINGER INTERNATIONAL PUBLISHING AG.2020: 444-463
- **Zether: Towards Privacy in a Smart Contract World**
Bunz, B., Agrawal, S., Zamani, M., Boneh, D.
edited by Bonneau, J., Heninger, N.
SPRINGER INTERNATIONAL PUBLISHING AG.2020: 423-443
- **Remote Side-Channel Attacks on Anonymous Transactions**
Tramer, F., Boneh, D., Paterson, K. G., USENIX Assoc
USENIX ASSOC.2020: 2739-2756

- **Attacking Cryptographic Key Exchange with Precomputation** *COMMUNICATIONS OF THE ACM*
Boneh, D.
2019; 62 (1): 105
- **Feasibility and Time Frames of Quantum Computing** *QUANTUM COMPUTING: PROGRESS AND PROSPECTS*
Horowitz, M. A., Aspuru-Guzik, A., Awschalom, D. D., Blakley, B., Boneh, D., Coppersmith, S. N., Kim, J., Martinis, J. M., Martonosi, M., Mosca, M., Oliver, W. D., Svore, K., Vazirani, et al
edited by Grumbling, E., Horowitz, M.
2019: 156–92
- **Essential Hardware Components of a Quantum Computer** *QUANTUM COMPUTING: PROGRESS AND PROSPECTS*
Horowitz, M. A., Aspuru-Guzik, A., Awschalom, D. D., Blakley, B., Boneh, D., Coppersmith, S. N., Kim, J., Martinis, J. M., Martonosi, M., Mosca, M., Oliver, W. D., Svore, K., Vazirani, et al
edited by Grumbling, E., Horowitz, M.
2019: 113–34
- **Essential Software Components of a Scalable Quantum Computer** *QUANTUM COMPUTING: PROGRESS AND PROSPECTS*
Horowitz, M. A., Aspuru-Guzik, A., Awschalom, D. D., Blakley, B., Boneh, D., Coppersmith, S. N., Kim, J., Martinis, J. M., Martonosi, M., Mosca, M., Oliver, W. D., Svore, K., Vazirani, et al
edited by Grumbling, E., Horowitz, M.
2019: 135–55
- **Falcon — A Flexible Architecture For Accelerating Cryptography** *2019 IEEE 16th International Conference on Mobile Ad Hoc and Sensor Systems (MASS)*
Kinningham, K., Levis, P., Anderson, M., Boneh, D., Horowitz, M., Shih, M.
2019
- **Adversarial Training and Robustness for Multiple Perturbations**
Tramer, F., Boneh, D.
edited by Wallach, H., Larochelle, H., Beygelzimer, A., d'Alche-Buc, F., Fox, E., Garnett, R.
NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2019
- **Batching Techniques for Accumulators with Applications to IOPs and Stateless Blockchains**
Boneh, D., Bunz, B., Fisch, B.
edited by Boldyreva, A., Micciancio, D.
SPRINGER INTERNATIONAL PUBLISHING AG.2019: 561–86
- **AdVersarial: Perceptual Ad Blocking meets Adversarial Machine Learning**
Tramer, F., Dupre, P., Rusak, G., Pellegrino, G., Boneh, D., ACM
ASSOC COMPUTING MACHINERY.2019: 2005–21
- **Stickler: Defending against Malicious Content Distribution Networks in an Unmodified Browser** *IEEE SECURITY & PRIVACY*
Levy, A., Corrigan-Gibbs, H., Boneh, D.
2016; 14 (2): 22-28
- **Computing on Authenticated Data** *JOURNAL OF CRYPTOLOGY*
Jae Hyun Ahn, J. H., Hohenberger, S., Boneh, D., Camenisch, J., Shelat, A., Waters, B.
2015; 28 (2): 351-395
- **An Experimental Study of TLS Forward Secrecy Deployments** *IEEE INTERNET COMPUTING*
Huang, L., Adhikarla, S., Boneh, D., Jackson, C.
2014; 18 (6): 43-51
- **Neuroscience Meets Cryptography: Crypto Primitives Secure Against Rubber Hose Attacks** *COMMUNICATIONS OF THE ACM*
Bojinov, H., Sanchez, D., Reber, P., Boneh, D., Lincoln, P.
2014; 57 (5): 110-118
- **Fully Key-Homomorphic Encryption, Arithmetic Circuit ABE and Compact Garbled Circuits** *33rd Annual International Association for Cryptologic Research Eurocrypt Conference on the Theory and Applications of Cryptographic Techniques*
Boneh, D., Gentry, C., Gorbunov, S., Halevi, S., Nikolaenko, V., Segev, G., Vaikuntanathan, V., Vinayagamurthy, D.

SPRINGER-VERLAG BERLIN.2014: 533–556

- **Privacy-Preserving Ridge Regression on Hundreds of Millions of Records** *34th IEEE Symposium on Security and Privacy (SP)*
Nikolaenko, V., Weinsberg, U., Ioannidis, S., Joye, M., Boneh, D., Taft, N.
IEEE.2013: 334–348
- **Ensuring high-quality randomness in cryptographic key generation.**
Corrigan-Gibbs, H., Mu, W., Boneh, D., Ford, B.
2013
- **Secure Signatures and Chosen Ciphertext Security in a Quantum Computing World.**
Boneh, D., Zhandry, M.
2013
- **Function-Private Subspace-Membership Encryption and Its Applications.**
Boneh, D., Raghunathan, A., Segev, G.
2013
- **OSS: Using Online Scanning Services for Censorship Circumvention.**
Fifield, D., Nakibly, G., Boneh, D.
2013
- **Constrained Pseudorandom Functions and Their Applications.**
Boneh, D., Waters, B.
2013
- **Attribute-Based Encryption for Arithmetic Circuits.** *Cryptology ePrint Archive: Report*
Boneh, D., Nikolaenko, V., Segev, G.
2013: 669
- **Message-Locked Encryption for Lock-Dependent Messages.**
Abadi, M., Boneh, D., Mironov, I., Raghunathan, A., Segev, G.
2013
- **Function-Private Identity-Based Encryption: Hiding the Function in Functional Encryption.**
Boneh, D., Raghunathan, A., Segev, G.
2013
- **Key Homomorphic PRFs and Their Applications.**
Boneh, D., Lewi, K., Montgomery, H., Raghunathan, A.
2013
- **Multiparty Key Exchange, Efficient Traitor Tracing, and More from Indistinguishability Obfuscation.** *Cryptology ePrint Archive: Report*
Boneh, D., Zhandry, M.
2013: 642
- **Constrained Pseudorandom Functions and Their Applications.**
Boneh, D., Waters, B.
2013
- **Privacy-preserving matrix factorization.**
Nikolaenko, V., Ioannidis, S., Weinsberg, U., Joye, M., Taft, N., Boneh, D.
2013
- **Secure Signatures and Chosen Ciphertext Security in a Quantum Computing World.**
Boneh, D., Zhandry, M.
2013
- **Attribute-Based Encryption for Arithmetic Circuits.** *Cryptology ePrint Archive: Report*
Boneh, D., Nikolaenko, V., Segev, G.

2013; 669

- **Functional Encryption: A New Vision for Public-Key Cryptography** *COMMUNICATIONS OF THE ACM*
Boneh, D., Sahai, A., Waters, B.
2012; 55 (11): 56-64
- **Privacy and Cybersecurity: The Next 100 Years** *PROCEEDINGS OF THE IEEE*
Landwehr, C., Boneh, D., Mitchell, J. C., Bellare, S. M., Landau, S., Lesk, M. E.
2012; 100: 1659-1673
- **StegoTorus: a camouflage proxy for the Tor anonymity system.**
Weinberg, Z., Wang, J., Yegneswaran, V., Briesemeister, L., Cheung, S., Wang, F., Boneh, D.
2012
- **Persistent OSPF Attacks.**
Nakibly, G., Kirshon, A., Gonikman, D., Boneh, D.
2012
- **SessionJuggler: Secure Web Login From an Untrusted Terminal Using Session Hijacking.**
Bursztein, E., Soman, C., Boneh, D., Mitchell, J.
2012
- **Towards Short-Lived Certificates.**
Topalovic, E., Saeta, B., Huang, L., S., Jackson, C., Boneh, D.
2012
- **Computing on Authenticated Data.**
Ahn, J., H., Boneh, D., Camenisch, J., Hohenberger, S., Shelat, A., Waters, B.
2012
- **The case for prefetching and prevalidating TLS server certificates.**
Stark, E., Huang, L., S., Israni, D., Jackson, C., Boneh, D.
2012
- **Who Killed My Battery: Analyzing Mobile Browser Energy Consumption**
Thiagarajan, N., Aggarwal, G., Nicoara, A., Boneh, D., Singh, J.
2012
- **The most dangerous code in the world: validating SSL certificates in non-browser software.**
Georgiev, M., Iyengar, S., Jana, S., Anubhai, R., Boneh, D., Shmatikov, V.
2012
- **Evading Censorship with Browser-Based Proxies**
Fifield, D., Hardison, N., Ellithorpe, J., Stark, E., Boneh, D., Dingleline, R.
2012
- **Neuroscience Meets Cryptography: Designing Crypto Primitives Secure Against Rubber Hose Attacks**
Bojinov, H., Sanchez, D., Reber, P., Boneh, D., Lincoln, P.
2012
- **Targeted malleability: homomorphic encryption for restricted computations.**
Boneh, D., Segev, G., Waters, B.
2012
- **Efficient Selective Identity-Based Encryption Without Random Oracles** *JOURNAL OF CRYPTOLOGY*
Boneh, D., Boyen, X.
2011; 24 (4): 659-693
- **Finding composite order ordinary elliptic curves using the Cocks-Pinch method** *JOURNAL OF NUMBER THEORY*
Boneh, D., Rubin, K., Silverberg, A.

2011; 131 (5): 832-841

- **Random Oracles in a Quantum World** *17th Annual International conference on the Theory and Application of Cryptology and Information Security*
Boneh, D., Dagdelen, O., Fischlin, M., Lehmann, A., Schaffner, C., Zhandry, M.
SPRINGER.2011: 41–69
- **Functional encryption: definitions and challenges.**
Boneh, D., Sahai, A., Waters, B.
2011
- **Homomorphic Signatures for Polynomial Functions.**
Boneh, D., Freeman, D.
2011
- **Location privacy via private proximity testing.**
Narayanan, A., Thiagarajan, N., Lakhani, M., Hamburg, M., Boneh, D.
2011
- **Random Oracles in a Quantum World.**
Boneh, D., Dagdelen, Ö., Fischlin, M., Lehmann, A., Schaffner, C., Zhandry, M.
2011
- **OpenConflict: preventing real time map hacks in online games.**
Bursztein, E., Hamburg, M., Lagarenne, J., Boneh, D.
2011
- **Functional Encryption: Definitions and Challenges** *8th Theory Cryptography Conference*
Boneh, D., Sahai, A., Waters, B.
SPRINGER-VERLAG BERLIN.2011: 253–273
- **Homomorphic Signatures for Polynomial Functions** *30th Annual International Conference on the Theory and Applications of Cryptographic Techniques*
Boneh, D., Freeman, D. M.
SPRINGER-VERLAG BERLIN.2011: 149–168
- **Linearly Homomorphic Signatures over Binary Fields and New Tools for Lattice-Based Signatures** *14th International Conference on Practice and Theory in Public Key Cryptography (PKC 2011)*
Boneh, D., Freeman, D. M.
SPRINGER-VERLAG BERLIN.2011: 1–16
- **OpenConflict: Preventing Real Time Map Hacks in Online Games** *32nd IEEE Symposium on Security and Privacy (SP 2011)*
Bursztein, E., Hamburg, M., Lagarenne, J., Boneh, D.
IEEE COMPUTER SOC.2011: 506–520
- **Address Space Randomization for Mobile Devices** *4th ACM Conference on Wireless Network Security*
Bojinov, H., Boneh, D., Cannings, R., Malchev, I.
ASSOC COMPUTING MACHINERY.2011: 127–137
- **Reliable Location-Based Services from Radio Navigation Systems** *SENSORS*
Qiu, D., Boneh, D., Lo, S., Enge, P.
2010; 10 (12): 11369-11389
- **The Emergence of Cross Channel Scripting** *COMMUNICATIONS OF THE ACM*
Bojinov, H., Bursztein, E., Boneh, D.
2010; 53 (8): 105-113
- **Kamouflage: Loss-Resistant Password Management** *15th European Symposium on Research in Computer Security*
Bojinov, H., Bursztein, E., Boyen, X., Boneh, D.
SPRINGER-VERLAG BERLIN.2010: 286–302
- **Algebraic pseudorandom functions with improved efficiency from the augmented cascade.**

- Boneh, D., Montgomery, H., Raghunathan, A.
2010
- **Preventing pollution attacks in multi-source network coding.**
Agrawal, S., Boneh, D., Boyen, X., Freeman, D.
2010
 - **Kamouflage: loss-resistant password management.**
Bojinov, H., Bursztein, E., Boyen, X., Boneh, D.
2010
 - **Busting frame busting: a study of clickjacking vulnerabilities at popular sites.**
Rydstedt, G., Bursztein, E., Boneh, D., Jackson, C.
2010
 - **Privacy preserving targeted advertising.**
Toubiana, V., Narayanan, A., Boneh, D., Nissenbaum, H., Barocas, S.
2010
 - **The case for ubiquitous transport-level encryption**
Bittau, A., Hamburg, M., Handley, M., Mazieres, D., Boneh, D.
2010
 - **An analysis of private browsing modes in modern browsers.**
Aggarwal, G., Bursztein, E., Jackson, C., Boneh, D.
2010
 - **Lattice basis delegation in fixed dimension and shorter ciphertext hierarchical IBE**
Agrawal, S., Boneh, D., Boyen, X.
2010
 - **Framing attacks on smart phones and dumb routers: tap-jacking and geo-localization attacks.**
Rydstedt, G., Gourdin, B., Bursztein, E., Boneh, D.
2010
 - **Efficient lattice (H)IBE in the standard model.**
Agrawal, S., Boneh, D., Boyen, X.
2010
 - **Preventing Pollution Attacks in Multi-source Network Coding** *13th International Conference on Practice and Theory in Public Key Cryptography*
Agrawal, S., Boneh, D., Boyen, X., Freeman, D. M.
SPRINGER-VERLAG BERLIN.2010: 161–176
 - **Protecting Browsers from DNS Rebinding Attacks** *14th ACM Conference on Computer and Communication Security*
Jackson, C., Barth, A., Bortz, A., Shao, W., Boneh, D.
ASSOC COMPUTING MACHINERY.2009
 - **Pattern Classification for Geotag Generation** *22nd International Technical Meeting of the Satellite Division of the Institute-of-Navigation (ION GNSS-09)*
Qiu, D., Lo, S., Enge, P., Boneh, D.
INST NAVIGATION.2009: 1819–1827
 - **Homomorphic MACs: MAC-Based Integrity for Network Coding** *7th International Conference on Applied Cryptography and Network Security*
Agrawal, S., Boneh, D.
SPRINGER-VERLAG BERLIN.2009: 292–305
 - **Symmetric Cryptography in Javascript** *25th Annual Computer Security Applications Conference*
Stark, E., Hamburg, M., Boneh, D.
IEEE COMPUTER SOC.2009: 373–381

- **Signing a Linear Subspace: Signature Schemes for Network Coding** *12th International Conference on Practice and Theory in Public Key Cryptography*
Boneh, D., Freeman, D., Katz, J., Waters, B.
SPRINGER-VERLAG BERLIN.2009: 68–87
- **XCS: Cross Channel Scripting and its Impact on Web Applications** *16th ACM Conference on Computer and Communications Security*
Bojinov, H., Bursztein, E., Boneh, D.
ASSOC COMPUTING MACHINERY.2009: 420–431
- **Physical Pseudo Random Function in Radio Frequency Sources for Security** *2009 International Technical Meeting of the Institute-of-Navigation*
Qiu, D., De Lorenzo, D., Lo, S., Boneh, D., Enge, P.
INST NAVIGATION.2009: 84–92
- **Pattern Classification for Geotag Generation** *22nd International Technical Meeting of the Satellite Division of the Institute-of-Navigation (ION GNSS-09)*
Qiu, D., Lo, S., Enge, P., Boneh, D.
INST NAVIGATION.2009: 1819–1827
- **Homomorphic MACs: MAC-Based Integrity for Network Coding** *7th International Conference on Applied Cryptography and Network Security*
Agrawal, S., Boneh, D.
SPRINGER-VERLAG BERLIN.2009: 292–305
- **Symmetric Cryptography in Javascript** *25th Annual Computer Security Applications Conference*
Stark, E., Hamburg, M., Boneh, D.
IEEE COMPUTER SOC.2009: 373–381
- **Signing a Linear Subspace: Signature Schemes for Network Coding** *12th International Conference on Practice and Theory in Public Key Cryptography*
Boneh, D., Freeman, D., Katz, J., Waters, B.
SPRINGER-VERLAG BERLIN.2009: 68–87
- **XCS: Cross Channel Scripting and its Impact on Web Applications** *16th ACM Conference on Computer and Communications Security*
Bojinov, H., Bursztein, E., Boneh, D.
ASSOC COMPUTING MACHINERY.2009: 420–431
- **Short signatures without random oracles and the SDH assumption in bilinear groups** *JOURNAL OF CRYPTOLOGY*
Boneh, D., Boyen, X.
2008; 21 (2): 149-177
- **Overshadow: A virtualization-based approach to retrofitting protection in commodity operating systems** *13th International Conference on Architectural Support for Programming Languages and Operating Systems*
Chen, X., Garfinkel, T., Lewis, E. C., Subrahmanyam, P., Waldspurger, C. A., Boneh, D., Dvoskin, J., Ports, D. R.
ASSOC COMPUTING MACHINERY.2008: 2–13
- **Generalized Identity Based and Broadcast Encryption Schemes** *14th International Conference on the Theory and Application of Cryptology and Information Security*
Boneh, D., Hamburg, M.
SPRINGER-VERLAG BERLIN.2008: 455–470
- **Generalized Identity Based and Broadcast Encryption Schemes.**
Boneh, D., Hamburg, M.
2008
- **On The Impossibility of Basing Identity Based Encryption on Trapdoor Permutations.**
Boneh, D., Papakonstantinou, A., Rackoff, C., Vahlis, Y., Waters, B.
2008
- **Overshadow: A Virtualization-Based Approach to Retrofitting Protection in Commodity Operating Systems.**
Chen, M., Subrahmanyam, P., Waldspurger, C., Lewis, E., C., Garfinkel, T., Boneh, D.
2008

- **Circular-Secure Encryption from Decision Diffie-Hellman.**
Boneh, D., Halevi, S., Hamburg, M., Ostrovsky, R.
2008
- **Traitor Tracing with Constant Size Ciphertext.**
Boneh, D., Naor, M.
2008
- **On The Impossibility of Basing Identity Based Encryption on Trapdoor Permutations** *49th Annual Symposium on Foundations-of-Computer-Science*
Boneh, D., Papakonstantinou, P. A., Rackoff, C., Vahlis, Y., Waters, B.
IEEE COMPUTER SOC.2008: 283–292
- **Circular-secure encryption from decision Diffie-Hellman** *28th Annual International Cryptology Conference*
Boneh, D., Halevi, S., Hamburg, M., Ostrovsky, R.
SPRINGER-VERLAG BERLIN.2008: 108–125
- **Traitor Tracing with Constant Size Ciphertext** *15th ACM Conference on Computer and Communications Security*
Boneh, D., Naor, M.
ASSOC COMPUTING MACHINERY.2008: 501–510
- **Public key encryption that allows PIR queries** *27th Annual International Cryptology Conference*
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