David J. Wu

Department of Computer Science University of Texas at Austin Email: dwu4@cs.utexas.edu

Website: https://www.cs.utexas.edu/~dwu4/

Employment

| University of Texas at Austin, Austin, TX Assistant Professor in Computer Science | Aug 2021–present |
|--|-------------------|
| University of Virginia, Charlottesville, VA | |
| Visiting Professor in Computer Science | Aug 2021–Jul 2023 |
| Anita Jones Career Enhancement Assistant Professor in Computer Science | Jan 2019–Aug 2021 |

Education

Stanford University, Stanford, CA Sep 2013–Aug 2018

Ph.D. in Computer Science

Thesis: Lattice-Based Non-Interactive Argument Systems

Thesis Advisor: Dan Boneh

Stanford University, Stanford, CA Sep 2011–Jun 2013

M.S. in Computer Science

Stanford University, Stanford, CA Sep 2009–Jun 2013

B.S. in Computer Science with Honors and Distinction, Minor in Physics Thesis: *End-to-End Text Recognition with Convolutional Neural Networks*

Thesis Advisor: Andrew Y. Ng

Awards and Distinctions

- Sloan Research Fellow, 2025
- 1st Place (Phase 1), 2nd Place (Phase 2), U.S./U.K. Privacy-Enhancing Technologies Prize Challenge, 2023
- Google Research Scholar, 2022
- Microsoft Research Faculty Fellow, 2021
- NSF CAREER Award, 2021
- Qualcomm Innovation Fellowship Finalist, 2017
- HLI Award for Secure Outsourcing, UCSD iDASH Secure Genome Analysis Competition, 2015
- National Science Foundation Graduate Research Fellowship, 2013
- Frederick Emmons Terman Engineering Scholastic Award, 2013

Paper Awards and Recognition

| • Best Paper Award, CRYPTO, 2022 | [26] |
|---|------|
| • Best Young-Researcher Paper Award, CRYPTO, 2018 | [41] |
| • Best Young-Researcher Paper Award, CRYPTO, 2017 | [45] |
| • Outstanding Paper Award, ESORICS, 2016 | [50] |
| • Best Student Paper Award, ICDAR, 2011 | [56] |

Publications

The convention for publications in cryptography and theoretical computer science is to list authors alphabetically. Most publications below follow this convention. Publications in other areas list students first and in order of contribution. For these works, a star (*) is used to denote authors with equal contribution.

Total citations: 6321; h-index: 32 (as of February 2025 according to Google Scholar)

Refereed Conference Proceedings

[1] Monotone-Policy BARGs and More from BARGs and Quadratic Residuosity Shafik Nassar, Brent Waters, and <u>David J. Wu</u> International Conference on Practice and Theory of Public-Key Cryptography (**PKC**), 2025

[2] Adaptively-Secure Big-Key Identity-Based Encryption Jeffrey Champion, Brent Waters, and <u>David J. Wu</u> International Conference on Practice and Theory of Public-Key Cryptography (**PKC**), 2025

[3] New Techniques for Preimage Sampling: Improved NIZKs and More from LWE Brent Waters, Hoeteck Wee, and <u>David J. Wu</u> EUROCRYPT, 2025

[4] A Generic Approach to Adaptively-Secure Broadcast Encryption in the Plain Model Yao-Ching Hsieh, Brent Waters, and David J. Wu EUROCRYPT, 2025

[5] Multi-Authority Registered Attribute-Based Encryption George Lu, Brent Waters, and <u>David J. Wu</u> EUROCRYPT, 2025

[6] **Distributed Broadcast Encryption from Lattices**Jeffrey Champion and David J. Wu

Theory of Cryptography Conference (**TCC**), 2024

[7] Monotone Policy BARGs from BARGs and Additively Homomorphic Encryption Shafik Nassar, Brent Waters, and <u>David J. Wu</u> Theory of Cryptography Conference (TCC), 2024

[8] **Batching Adaptively-Sound SNARGs for NP**Lalita Devadas, Brent Waters, and <u>David J. Wu</u> Theory of Cryptography Conference (TCC), 2024

[9] **Batch Arguments to NIZKs from One-Way Functions** Eli Bradley, Brent Waters, and David J. Wu

Theory of Cryptography Conference (TCC), 2024

[10] **Dot-Product Proofs and Their Applications**

Nir Bitansky, Prahladh Harsha, Yuval Ishai, Ron D. Rothblum, and <u>David J. Wu</u> *IEEE Symposium on Foundations of Computer Science* (**FOCS**), 2024 Invited to the *SIAM Journal on Computing* (*SICOMP*)

$[11] \quad \textbf{RESPIRE: High-Rate PIR for Databases with Small Records}$

Alexander Burton, Samir Jordan Menon, and <u>David J. Wu</u> *ACM Conference on Computer and Communications Security* (**CCS**), 2024

[12] Reducing the CRS Size in Registered ABE Systems

Rachit Garg, George Lu, Brent Waters, and $\underline{\text{David J. Wu}}$ **CRYPTO**, 2024

[13] The One-Wayness of Jacobi Signatures

Henry Corrigan-Gibbs and <u>David J. Wu</u> **CRYPTO**, 2024

[14] YPIR: High-Throughput Single-Server PIR with Silent Preprocessing

Samir Jordan Menon and <u>David J. Wu</u> *USENIX Security Symposium* (**USENIX Security**), 2024

[15] Adaptively-Sound Succinct Arguments for NP from Indistinguishability Obfuscation

Brent Waters and David J. Wu

ACM Symposium on Theory of Computing (STOC), 2024

[16] Succinct Functional Commitments for Circuits from k-Lin

Hoeteck Wee and David J. Wu

EUROCRYPT, 2024

[17] Lattice-Based Functional Commitments: Fast Verification and Cryptanalysis

Hoeteck Wee and David J. Wu

ASIACRYPT, 2023

[18] Realizing Flexible Broadcast Encryption: How to Broadcast to a Public-Key Directory

Rachit Garg, George Lu, Brent Waters, and <u>David J. Wu</u>

ACM Conference on Computer and Communications Security (CCS), 2023

[19] How to Use (Plain) Witness Encryption: Registered ABE, Flexible Broadcast, and More

Cody Freitag, Brent Waters, and $\underline{\text{David J. Wu}}$

CRYPTO, 2023

[20] Non-Interactive Zero-Knowledge from Non-Interactive Batch Arguments

Jeffrey Champion and David J. Wu

CRYPTO, 2023

[21] Authenticated Private Information Retrieval

Simone Colombo, Kirill Nikitin, Henry Corrigan-Gibbs, <u>David J. Wu</u>, and Bryan Ford *USENIX Security Symposium* (**USENIX Security**), 2023

[22] Succinct Vector, Polynomial, and Functional Commitments from Lattices

Hoeteck Wee and David J. Wu

EUROCRYPT, 2023

[23] Registered Attribute-Based Encryption

Susan Hohenberger, George Lu, Brent Waters, and <u>David J. Wu</u> **EUROCRYPT**, 2023

[24] Multi-Authority ABE from Lattices without Random Oracles

Brent Waters, Hoeteck Wee, and David J. Wu

Theory of Cryptography Conference (TCC), 2022

[25] Fully Succinct Batch Arguments for NP from Indistinguishability Obfuscation

Rachit Garg, Kristin Sheridan, Brent Waters, and David J. Wu

Theory of Cryptography Conference (TCC), 2022

[26] Batch Arguments for NP and More from Standard Bilinear Group Assumptions

Brent Waters and David J. Wu

CRYPTO, 2022

Best Paper Award; Invited to the Journal of Cryptology

[27] SPIRAL: Fast, High-Rate Single-Server PIR via FHE Composition

Samir Jordan Menon and <u>David J. Wu</u>

IEEE Symposium on Security and Privacy (Oakland), 2022

[28] Traceable PRFs: Full Collusion Resistance and Active Security

Sarasij Maitra and David J. Wu

International Conference on Practice and Theory of Public-Key Cryptography (**PKC**), 2022 Invited to the *Journal of Cryptology*

[29] Beyond Software Watermarking: Traitor-Tracing for Pseudorandom Functions

Rishab Goyal, Sam Kim, Brent Waters, and <u>David J. Wu</u>

ASIACRYPT, 2021

[30] Shorter and Faster Post-Quantum Designated-Verifier zkSNARKs from Lattices

Yuval Ishai, Hang Su, and David J. Wu

ACM Conference on Computer and Communications Security (CCS), 2021

[31] CRYPTGPU: Fast Privacy-Preserving Machine Learning on the GPU

Sijun Tan, Brian Knott, Yuan Tian, and <u>David J. Wu</u>

IEEE Symposium on Security and Privacy (Oakland), 2021

[32] Collusion Resistant Trace-and-Revoke for Arbitrary Identities from Standard Assumptions

Sam Kim and David J. Wu

ASIACRYPT, 2020

[33] On Succinct Arguments and Witness Encryption from Groups

Ohad Barta, Yuval Ishai, Rafail Ostrovsky, and David J. Wu

CRYPTO, 2020

[34] Can Verifiable Delay Functions be Based on Random Oracles?

Mohammad Mahmoody, Caleb Smith, and David J. Wu

International Colloquium on Automata, Languages and Programming (ICALP), 2020

[35] New Constructions of Statistical NIZKs: Dual-Mode DV-NIZKs and More

Benoît Libert, Alain Passelègue, Hoeteck Wee, and David J. Wu

EUROCRYPT, 2020

[36] New Constructions of Reusable Designated-Verifier NIZKs

Alex Lombardi, Willy Quach, Ron D. Rothblum, Daniel Wichs, and <u>David J. Wu</u> **CRYPTO**, 2019

[37] Watermarking PRFs from Lattices: Stronger Security via Extractable PRFs

Sam Kim and David J. Wu

CRYPTO, 2019

[38] Watermarking Public-Key Cryptographic Primitives

Rishab Goyal, Sam Kim, Nathan Manohar, Brent Waters, and <u>David J. Wu</u> **CRYPTO**, 2019

[39] Exploring Crypto Dark Matter: New Simple PRF Candidates and Their Applications

Dan Boneh, Yuval Ishai, Alain Passelègue, Amit Sahai, and <u>David J. Wu</u> *Theory of Cryptography Conference* (**TCC**), 2018

[40] Function-Hiding Inner Product Encryption is Practical

Sam Kim, Kevin Lewi, Avradip Mandal, Hart Montgomery, Arnab Roy, and <u>David J. Wu</u> *International Conference on Security and Cryptography for Networks* (**SCN**), 2018

[41] Multi-Theorem Preprocessing NIZKs from Lattices

Sam Kim and David J. Wu

CRYPTO, 2018

Best Young-Researcher Paper Award; Invited to the Journal of Cryptology

[42] Quasi-Optimal SNARGs via Linear Multi-Prover Interactive Proofs

Dan Boneh, Yuval Ishai, Amit Sahai, and <u>David J. Wu</u> **EUROCRYPT**, 2018

[43] Access Control Encryption for General Policies from Standard Assumptions

Sam Kim and David J. Wu

ASIACRYPT, 2017

[44] Constrained Keys for Invertible Pseudorandom Functions

Dan Boneh, Sam Kim, and <u>David J. Wu</u>
Theory of Cryptography Conference (**TCC**), 2017

[45] Watermarking Cryptographic Functionalities from Standard Lattice Assumptions

Sam Kim and David J. Wu

CRYPTO, 2017

Best Young-Researcher Paper Award; Invited to the Journal of Cryptology

[46] Lattice-Based SNARGs and Their Application to More Efficient Obfuscation

Dan Boneh, Yuval Ishai, Amit Sahai, and <u>David J. Wu</u> **EUROCRYPT**, 2017

[47] Functional Encryption: Deterministic to Randomized Functions from Simple Assumptions

Shashank Agrawal and David J. Wu

EUROCRYPT, 2017

[48] Constraining Pseudorandom Functions Privately

Dan Boneh, Kevin Lewi, and <u>David J. Wu</u> *International Conference on Practice and Theory of Public-Key Cryptography* (**PKC**), 2017

[49] Order-Revealing Encryption: New Constructions, Applications, and Lower Bounds

Kevin Lewi and David J. Wu

ACM Conference on Computer and Communications Security (CCS), 2016

[50] Privacy, Discovery, and Authentication for the Internet of Things

<u>David J. Wu</u>, Ankur Taly, Asim Shankar, and Dan Boneh <u>European Symposium on Research in Computer Security</u> (**ESORICS**), 2016 <u>Outstanding Paper Award</u>

[51] Practical Order-Revealing Encryption with Limited Leakage

Nathan Chenette, Kevin Lewi, Stephen A. Weis, and <u>David J. Wu</u> Fast Software Encryption (**FSE**), 2016

[52] Privacy-Preserving Shortest Path Computation

<u>David J. Wu</u>, Joe Zimmerman, Jérémy Planul, and John C. Mitchell Network and Distributed System Security Symposium (**NDSS**), 2016

[53] Private Database Queries using Somewhat Homomorphic Encryption

Dan Boneh, Craig Gentry, Shai Halevi, Frank Wang, and <u>David J. Wu</u> *International Conference on Applied Cryptography and Network Security* (**ACNS**), 2013

[54] Deep Learning with COTS HPC Systems

Adam Coates, Brody Huval, Tao Wang, <u>David J. Wu</u>, Andrew Y. Ng, and Bryan Catanzaro *International Conference on Machine Learning* (**ICML**), 2013

[55] End-to-End Text Recognition with Convolutional Neural Networks

Tao Wang*, <u>David J. Wu</u>*, Adam Coates, and Andrew Y. Ng *International Conference on Pattern Recognition* (**ICPR**), 2012

[56] Text Detection and Character Recognition in Scene Images with Unsupervised Feature Learning

Adam Coates, Blake Carpenter, Carl Case, Sanjeev Satheesh, Bipin Suresh, Tao Wang, <u>David J. Wu</u>, and Andrew Y. Ng

International Conference on Document Analysis and Recognition (ICDAR), 2011 Best Student Paper Award

Journal Articles

[57] Watermarking Cryptographic Functionalities from Standard Lattice Assumptions

Sam Kim and David J. Wu

Journal of Cryptology, 34 (28), 2021

Full version of a paper that originally appeared in CRYPTO 2017 [45]

[58] Avoiding Genetic Racial Profiling in Criminal DNA Profile Databases

Jacob A. Blindenbach*, Karthik A. Jagadeesh*, Gill Bejerano and <u>David J. Wu</u> *Nature Computational Science*, *1* (4), 2021

[59] Multi-Theorem Preprocessing NIZKs from Lattices

Sam Kim and David J. Wu

Journal of Cryptology, 33 (3), 2020

Full version of a paper that originally appeared in CRYPTO 2018 [41]

[60] Secure Genome-Wide Association Analysis using Multiparty Computation

 $Hyunghoon\ Cho,\ \underline{David\ J.\ Wu},\ and\ Bonnie\ Berger$

Nature Biotechnology, 36 (6), 2018

[61] Deriving Genomic Diagnoses Without Revealing Patient Genomes

Karthik A. Jagadeesh*, <u>David J. Wu</u>*, Johannes A. Birgmeier, Dan Boneh, and Gill Bejerano *Science*, 357 (6352), 2017

[62] Privately Evaluating Decision Trees and Random Forests

<u>David J. Wu</u>, Tony Feng, Michael Naehrig, and Kristin Lauter <u>Proceedings on Privacy Enhancing Technologies (**PETS**), 2016 (4), 2016</u>

Refereed Workshop Proceedings

[63] Quantum Operating Systems

Henry Corrigan-Gibbs, <u>David J. Wu</u>, and Dan Boneh Workshop on Hot Topics in Operating Systems (**HotOS**), 2017

Manuscripts

[64] Registered ABE and Adaptively-Secure Broadcast Encryption from Succinct LWE

Jeffrey Champion, Yao-Ching Hsieh, and <u>David J. Wu</u> Available on the Cryptology ePrint Archive as Report 2025/044

[65] A Hidden-Bits Approach to Statistical ZAPs from LWE

Eli Bradley, George Lu, Shafik Nassar, Brent Waters, and <u>David J. Wu</u> Available on the Cryptology ePrint Archive as Report 2024/1663

Henry Corrigan-Gibbs and David J. Wu Available on the Cryptology ePrint Archive as Report 2024/1252 [67] A Pure Indistinguishability Obfuscation Approach to Adaptively-Sound SNARGs for NP Brent Waters and David J. Wu Available on the Cryptology ePrint Archive as Report 2024/933 [68] Keeping Patient Phenotypes and Genotypes Private while Seeking Disease Diagnoses Karthik A. Jagadeesh*, David J. Wu*, Johannes A. Birgmeier, Dan Boneh, and Gill Bejerano Available on bioRxiv as Report 10.1101/746230 [69] Immunizing Multilinear Maps Against Zeroizing Attacks Dan Boneh, David J. Wu, and Joe Zimmerman Available on the Cryptology ePrint Archive as Report 2014/930 Other Articles [70] Protecting Patient Privacy in Genomic Analysis David J. Wu International Journal of Population Data Science (IJPDS), 3 (5), 2018 [71] Fully Homomorphic Encryption: Cryptography's Holy Grail David I. Wu XRDS: Crossroads, The ACM Magazine for Students (XRDS), 21 (3), 2015 Mentoring Ph.D. Students • Shafik Nassar (UT Austin) [65] [1] [7] 2023-present Co-advised with Brent Waters • Jeff Champion (UT Austin) [64] [2] [6] [20] 2022-present Visiting Ph.D. Students • Yao-Ching Hsieh (University of Washington) [64] [4] Jul 2024-Aug 2024 M.S. Students • Hang Su (University of Virginia) [30] 2020-2021 Thesis: Shorter and Faster Post-Quantum Designated-Verifier zkSNARKs from Lattices **Undergraduate Students** Noel Elias (UT Austin) 2023-present Thesis: Pairing-Based Batch Arguments with a Linear-Size CRS • Zeki Gurbuz (UT Austin) 2023-2024 Thesis: Registered Functional Signatures • Alexander Burton (UT Austin) [11] 2022-2024 Thesis: Respire: Modifying Spiral Towards High-Rate PIR on Small-Record Databases • Jeriah Yu (UT Austin) 2023-2024 Thesis: Policy-Based Oblivious Message Retrieval • Stephanie Cheng (UT Austin) 2022-2023 Thesis: Retrieval by Keywords, Set Membership, and More from PIR • Jacob Blindenbach (University of Virginia) [58] 2019-2022

[66] Legendre Sequences are Pseudorandom under the Quadratic-Residuosity Assumption

| • Sijun Tan (University of Virginia) [31] Thesis: Fast Privacy-Preserving Machine Learning on the GPU | 2019–2021 |
|---|-----------|
| Ph.D. Thesis Committees | |
| • Rachit Garg (UT Austin; advisor: Brent Waters) | 2024 |
| • Valerio Cini (TU Wein; advisor: Daniel Slamanig and Matteo Maffei) | 2024 |
| Muhammad Haris Mughees (UIUC; advisor: Ling Ren) | 2023 |
| • Jiahui Liu (UT Austin; advisor: Scott Aaronson) | 2023 |
| • Xiao Zhang (University of Virginia; advisor: David Evans) | 2022 |
| Satya Vusirikala (UT Austin; advisor: Brent Waters) | 2021 |
| Saeed Mahloujifar (University of Virginia; advisor: Mohammad Mahmoody) | 2020 |
| | |
| Funding and Grants | |
| NSF Grant CNS-2318701 (SaTC Medium) | Oct 2023 |
| Removing Trust Assumptions from Encryption Systems | |
| Co-PIs: Susan Hohenberger and Brent Waters | |
| Ethereum Foundation | Jul 2023 |
| Functional Commitments and SNARKs from Lattices: Constructions and Cryptanalysis | |
| • Protocol Labs | Jul 2023 |
| Scalable Private Information Retrieval Protocols using Lattices | |
| Google Research Scholar | Apr 2022 |
| High-Rate, High-Throughput Private Information Retrieval via FHE Composition | - |
| Microsoft Research Faculty Fellow | Sep 2021 |
| Cryptographic Protocols for Securing and Verifying Computations | 1 |
| • NSF Grant CNS-2140975 / CNS-2045180 (CAREER) | Aug 2021 |
| Foundations of Cryptographic Proof Systems | O |
| • NSF Grant CNS-2151131 / CNS-1917414 (SaTC Small) | Jan 2020 |
| Expanding the Frontiers of Lattice-Based Cryptography | - |
| UVA SEAS Research Innovation Award | Jul 2019 |
| Privacy-Preserving Machine Learning via Robust Learning and Noisy Computation | , |
| Co-PIs: David Evans, Mohammad Mahmoody, and Yuan Tian | |
| Teaching | |

Teaching

University of Texas at Austin

- CS 388H: Cryptography (Graduate) Spring 2025, Fall 2022, Fall 2021
- **CS 346:** Cryptography (Undergraduate) *Fall 2024, Fall 2023, Spring 2023*
- **CS 395T:** Topics in Cryptography *Spring 2024, Spring 2022*

University of Virginia

- **CS 6222:** Introduction to Cryptography *Spring 2021, Spring 2020*
- **CS 4102:** Algorithms *Fall 2020, Fall 2019*
- **CS 6501:** Advanced Topics in Cryptography *Spring 2019*

Stanford University

- **CS 355:** Topics in Cryptography *Spring 2018*
- **CS 359C:** Classics of Cryptography *Spring 2017*

Selected Invited Talks

For a full listing, see https://www.cs.utexas.edu/~dwu4/talks.html. • Exotic Lattice Assumptions and How to Tame Them Oberwolfach Workshop on Cryptography Ian 2025 • New Techniques for Preimage Sampling: NIZKs and More from LWE Shonan Workshop on Encrypted Computation Oct 2024 • Adaptively-Sound SNARGs for NP from Indistinguishability Obfuscation Charles River Crypto Day Sep 2024 • Distributed Broadcast Encryption from Lattices Sep 2024 CMU Workshop on Cryptography • Removing Trust Assumptions from Advanced Encryption Schemes TPLC: Theory and Practice of Laconic Cryptography (Invited Keynote) May 2024 Chinacrypt (Invited Keynote) Dec 2023 • Lattice-Based Functional Commitments: Constructions and Cryptanalysis ENSL/CWI/KCL/IRISA Joint Cryptography Seminar Iun 2024 CHARM Seminar May 2024 • Succinct Vector, Polynomial, and Functional Commitments from Lattices Lattice Meets Hashes Workshop May 2023 Bay Area Crypto Day Apr 2023 • Spiral: Fast High-Rate Single-Server Private Information Retrieval EPFL Summer Research Institute Jul 2023 Google Research (New York) Oct 2022 • Computing on Private Data: Private Genomics and More Nov 2022 CATT Global Analytics Conference • Batch Arguments for NP and More from Standard Bilinear Group Assumptions Charles River Crypto Day Apr 2022 • Watermarking and Traitor Tracing for PRFs Simons Institute Lattices Seminar Apr 2020 • Computing with Lattices: Commitments, Signatures, and Zero-Knowledge

Simons Institute Workshop on Lattices

Mar 2020

 $\bullet \ \ Order-Revealing\ Encryption:\ Definitions,\ Constructions,\ and\ Challenges$

ICERM Workshop on Encrypted Search

Jun 2019

Research Visits

NTT Research, Sunnyvale, CA, Visiting Scientist **NTT Research**, Sunnyvale, CA, Visiting Scientist

Jul 2023–Aug 2023 Jul 2022–Aug 2022

Patents and Patent Applications

- [1] **Secure Genome Crowdsourcing for Large-Scale Association Studies** (US 20180373834) Hyunghoon Cho, Bonnie Berger Leighton, David J. Wu
- [2] **Secure Computer Evaluation of k-Nearest Neighbor Models** (US 9825758) Tony Feng, David J. Wu, Michael Naehrig, and Kristin Lauter
- [3] **Secure Computer Evaluation of Decision Trees** (US 9787647) David J. Wu, Tony Feng, Michael Naehrig, and Kristin Lauter
- [4] **Optimizing Recategorization of Financial Transactions using Collaborative Filtering** (US 8538967) <u>David J. Wu</u>, Levon Budagyan, and Marko Rukonic

Professional Activities and Service

Organized Activities

• Texas Crypto Day, Co-Organizer

2022-present

• Workshop in PIR, Co-Organizer

2024

Conference Program Committees

• **CRYPTO** 2022, 2021, 2020

Annual International Cryptology Conference

EUROCRYPT 2024, 2023, 2019

International Conference on the Theory and Applications of Cryptographic Techniques

• Oakland 2023

IEEE Symposium on Security and Privacy

ACM CCS 2023

ACM Conference on Computer and Communications Security

ASIACRYPT 2024, 2022

Annual International Conference on the Theory and Application of Cryptology and Information Security

TCC 2022

Theory of Cryptography Conference

• **PKC** 2025, 2023, 2022

International Conference on Practice and Theory of Public-Key Cryptography

• CFAIL 2022

The Conference for Failed Approaches and Insightful Losses in Cryptology

• ISMB/ECCB 2019

Intelligent Systems for Molecular Biology / European Conference on Computational Biology

CANS 2017
 International Conference on Cryptology and Network Security

External Reviewing

Conference Reviewing: CRYPTO, EUROCRYPT, ASIACRYPT, TCC, PKC, Financial Cryptography, SAC, STOC, SODA, ICALP, Usenix Security, ACM CCS, ISMB, ISIT

Journal Reviewing: SIAM Journal on Computing (SICOMP); Journal of Cryptology (JoC); ACM Transactions on Privacy and Security (TOPS); Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT); Communications of the ACM (CACM); IEEE Transactions on Knowledge and Data Engineering (TKDE); IEEE Transactions on Information Forensics and Security (TIFS); Design, Codes, and Cryptography; Journal of Computer Science and Technology; Proceedings of the National Academy of Sciences (PNAS); Nature Communications; Bioinformatics; Cell Systems

Grant Reviewing: National Science Foundation (NSF), Israel Science Foundation (ISF)

University Service

University of Texas at Austin:

| Member, PhD Admissions Committee | 2024–2025 |
|---|--------------|
| • Member, PhD Admissions Committee | 2023–2024 |
| Organizer, Cryptography and Security Seminar | 2023–present |
| • Chair, MS/PhD Admissions Committee | 2022–2023 |
| • Co-Organizer, Theory Seminar | 2022–present |
| • Member, PhD Admissions Committee | 2021–2022 |
| University of Virginia: | |
| Member, Cybersecurity Faculty Search Subcommittee | 2020–2021 |
| Member, CS Department Graduate Program Committee | 2019–2021 |
| • Organizer , CS Department Research Symposium | 2019 |

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Last updated: February 2025