

Stanford

Binyi Chen

Postdoctoral Scholar, Computer Science

Bio

STANFORD ADVISORS

- Dan Boneh, Postdoctoral Faculty Sponsor

LINKS

- website: <https://chancharles92.github.io/>

Publications

PUBLICATIONS

- **VerITAS: Verifying Image Transformations at Scale**
Datta, T., Chen, B., Boneh, D.
edited by Blanton, M., Enck, W., Nita-Rotaru, C.
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- **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
- **Mangrove: A Scalable Framework for Folding-Based SNARKs**
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edited by Reyzin, L., Stebila, D.
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- **BaseFold: Efficient Field-Agnostic Polynomial Commitment Schemes from Foldable Codes**
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SPRINGER INTERNATIONAL PUBLISHING AG.2024: 138-169
- **VERIZEXE: Decentralized Private Computation with Universal Setup**
Xiong, A., Chen, B., Zhang, Z., Bunz, B., Fisch, B., Krell, F., Camacho, P., USENIX Association
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- **HyperPlonk: Plonk with Linear-Time Prover and High-Degree Custom Gates**
Chen, B., Bunz, B., Boneh, D., Zhang, Z.
edited by Hazay, C., Stam, M.
SPRINGER INTERNATIONAL PUBLISHING AG.2023: 499-530
- **Protostar: Generic Efficient Accumulation/Folding for Special-Sound Protocols**
Bunz, B., Chen, B.
edited by Guo, J., Steinfeld, R.
SPRINGER-VERLAG SINGAPORE PTE LTD.2023: 77-110
- **Continuous Space-Bounded Non-malleable Codes from Stronger Proofs-of-Space**

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edited by Boldyreva, A., Micciancio, D.
SPRINGER INTERNATIONAL PUBLISHING AG.2019: 467-495

- **Memory-Hard Functions from Cryptographic Primitives**

Chen, B., Tessaro, S.
edited by Boldyreva, A., Micciancio, D.
SPRINGER INTERNATIONAL PUBLISHING AG.2019: 543-572

- **Scrypt Is Maximally Memory-Hard**

Alwen, J., Chen, B., Pietrzak, K., Reyzin, L., Tessaro, S.
edited by Coron, J. S., Nielsen, J. B.
SPRINGER INTERNATIONAL PUBLISHING AG.2017: 33-62

- **Oblivious Parallel RAM: Improved Efficiency and Generic Constructions**

Chen, B., Lin, H., Tessaro, S.
edited by Kushilevitz, E., Malkin, T.
SPRINGER INTERNATIONAL PUBLISHING AG.2016: 205-234

- **On the Complexity of Scrypt and Proofs of Space in the Parallel Random Oracle Model**

Alwen, J., Chen, B., Kamath, C., Kolmogorov, V., Pietrzak, K., Tessaro, S.
edited by Fischlin, M., Coron, J. S.
SPRINGER INTERNATIONAL PUBLISHING AG.2016: 358-387