



BLOCKCHAIN AND OTHER NETWORKS CITATIONS
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Citations (books, films, and TV series, listed by speaker)

Jeanette Wing

Levinson, Mark (director) *The Bit Player* 2019

John Henry Clippinger

McKay, Adam (director) *The Big Short* 2015

Clippinger, John Henry *A Crowd of One* 2007

Clippinger, John Henry, and *From Bitcoin to Burning Man and Beyond* 2014

David Bollier

Clippinger, John Henry *The Biology of Business: Decoding the Natural Laws of Enterprise* 1999

Chris Monroe

Zohar, Danah *The Quantum Self: Human Nature and Consciousness Defined by the New Physics* 1991

Online Resources (by speaker, in order of appearance)

Bradley Chase

- <https://tools.ietf.org/html/rfc1149> — Memo by David Waitzman, first published for the Network Working group on April 1, 1990, entitled “A standard for the transmission of IP datagrams on avian carriers”

Roger Meike and Glenn Scott

- <https://bitcoin.org/bitcoin.pdf> — Full text of Nakamoto, S. 2008. Bitcoin: A Peer-to-Peer Electronic Cash System.
- <https://people.csail.mit.edu/rivest/Rsapaper.pdf> — Full text of Rivest, R.L., et al. 1978. A method for obtaining digital signatures and public-key cryptosystems. *Communications of the ACM* **21**(2):120–126.
- https://en.wikipedia.org/wiki/Alice_and_Bob — A Wikipedia-based history of Alice, Bob, and their friends (and adversaries).
- <https://tnlandforms.us/cns06/lamport.pdf> — Full text of Lamport, L. 1981. Password authentication with insecure communication. *Communications of the ACM* **24**(11):770–772.
- <https://pdfs.semanticscholar.org/f6c1/5af976578327f9bd829e4f75db1137ec5756.pdf> — Full text of Carlisle, M.C. 2009. Raptor: A visual programming environment for teaching object-oriented programming. *Journal of Computing Sciences in Colleges* **24**(4):275–281.
- <https://www.intuit.com/blog/tag/blockchain> — Intuit’s blockchain-related blog posts.

Brian Behlendorf

- <https://www.forbes.com/sites/michaeldelcastillo/2019/04/16/blockchain-50-billion-dollar-babies/#32fe092557cc> — Article by Michael del Castillo, first appearing in *Forbes* on April 16, 2019, entitled “Blockchain 50: Billion dollar babies.”
- <https://www.kiva.org/protocol> — Kiva announcement of the Kiva protocol, entitled “Building the credit bureau of the future.”
- <https://blockchainreporter.net/2019/07/08/blockchain-news-nasa-secure-flight-data-hyperledger> — Article by Tom Nyarunda, first appearing on Blockchain Reporter on July 8, 2018, entitled “Blockchain news: NASA considering using blockchain to secure flight data based on Hyperledger.”

- <https://cointelegraph.com/news/the-new-york-times-using-hyperledger-fabric-to-fight-fakes-news> — Article by Aaron Wood first appearing on Cointelegraph on July 24, 2019, entitled “The *New York Times* using Hyperledger Fabric to fight fake news.”
- <https://www.wsj.com/articles/honeywell-brings-blockchain-to-used-aircraft-parts-market-11559072819> — *Wall Street Journal* article entitled Honeywell brings blockchain to used aircraft parts market.”
- <https://uk.reuters.com/article/us-carrefour-blockchain/carrefour-says-blockchain-tracking-boosting-sales-of-some-products-idUKKCN1T42A5?rpc=401&> — Article by Emma Thomasson, first appearing on UK Reuters Technology News on June 3, 2019, entitled “Carrefour says blockchain tracking boosting sales of some products.”
- <https://www.coinspeaker.com/blockchain-smart-contracts-rent-remittance-malta> — Article by Ikenna Uwakwe, first appearing on Coinspeaker on June 25, 2019, entitled “Malta set to use blockchain smart contracts to initiate and register rent remittance.”
- <https://hitinfrastructure.com/news/rensselaer-researchers-use-blockchain-to-boost-medical-image-sharing> — Article by Fred Donovan, first appearing on HIT Infrastructure on June 25, 2019, entitled “Rensselaer researchers use blockchain to boost medical image sharing.”
- <https://cointelegraph.com/news/visa-set-to-join-the-expanding-field-of-blockchain-based-international-payment-providers> — Article by Osato Avan-Nomayo, first appearing on Cointelegraph on June 19, 2019, entitled “Visa set to join the expanding field of blockchain-based international payment providers.”
- <https://tokenpost.com/Hyperledger-Fabric-powered-identity-solution-launches-in-Brazilian-banking-sector-2207> — Article first appearing on Tokenpost on June 13, 2019, entitled “Hyperledger Fabric-powered identity solution launches in Brazilian banking sector.”

Jeanette Wing

- <https://engineering.columbia.edu/faculty/jeanette-wing> — View a partial listing of Wing’s academic publications.
- <https://research.cs.wisc.edu/areas/sec/yao1982-ocr.pdf> — Full text of Yao, A.C. 1982. Protocols for secure computations. *23rd Annual IEEE Symposium on Foundations of Computer Science* 160–164.
- <https://cs.brown.edu/people/seny/pubs/sapsi.pdf> — Full text of Kamara, S., et al. 2014. In N. Christin and R. Safavi-Naini, eds. *Lecture Notes in Computer Science* **8437**:193–213. Springer.
- <https://eprint.iacr.org/2017/738.pdf> — Full text of Ion, M., et al. 2017. Private intersection-sum protocol with applications attributing aggregate ad conversions. *Cryptology ePrint Archive* **738**.
- <https://www.cs.cmu.edu/~odonnell/hits09/gentry-homomorphic-encryption.pdf> — Full text of Gentry, C. 2009. Fully homomorphic encryption using ideal lattices. *Symposium on the Theory of Computing* 169–178.
- <https://www.ncbi.nlm.nih.gov/pubmed/27733153> — Abstract and access options for Tang, H., et al. 2016. Protecting genomic analytics in the cloud: State of the art and opportunities. *BMC Medical Genomics* **9**(1):63.
- <http://proceedings.mlr.press/v48/gilad-bachrach16.pdf> — Full text of Gilad-Bachrach, R., et al. 2016. CryptoNets: Applying neural networks to encrypted data with high throughput and accuracy. *International Conference on Machine Learning* **48**:201–210.
- https://personal.utdallas.edu/~mxk055100/courses/privacy08f_files/differential-privacy.pdf — Full text of Dwork, C. 2006. Differential privacy. *International Colloquium on Automata, Languages, and Programming*.
- <https://arxiv.org/pdf/1802.03471.pdf> — Full text of Lecuyer, M. et al. 2019. Certified robustness to adversarial examples with differential privacy. *arXiv* **1802:03471v4**.

Dahna Goldstein

- <https://www.newamerica.org/bretton-woods-ii/blockchain-trust-accelerator/reports/blockchain-impact-ledger/blockchain-impact-ledger> — The blockchain impact ledger makes it easy to assess how blockchain is empowering social-impact projects.

John Henry Clippinger

- <https://www.washingtonpost.com/climate-environment/2019/05/06/one-million-species-face-extinction-un-panel-says-humans-will-suffer-result> — Article by Darryl Fears, first appearing in the *Washington Post* on May 6, 2019, entitled “One million species face extinction, U.N. report says. And humans will suffer as a result.”

- https://www.vice.com/en_us/article/597kpd/new-report-suggests-high-likelihood-of-human-civilization-coming-to-an-end-in-2050 — Article by Nafeez Ahmed, first appearing on Vice on June 3, 2019, entitled “Report suggests ‘high likelihood of human civilization coming to an end’ starting in 2050.”
- <https://www.youtube.com/watch?v=V5c-eqNxSQ> — Video of Mark Carney speaking at Lloyd’s of London on September 29, 2015, entitled “Breaking the tragedy of the horizon—climate change and financial instability.”
- <https://www.nber.org/papers/w21633.pdf> — Full text of Baker, S.R., et al. 2015. Measuring economic policy uncertainty. Working paper 21633. *NBER*.
- <https://citysciencesummit.org> — Learn more about—or live stream—the “Cities Without” symposium to be held October 1–2, 2019, in Hamburg.

Chris Monroe

- <http://iontrap.umd.edu/publications> — View a listing of Monroe’s academic publications.
- https://web.pa.msu.edu/people/yang/RFeynman_plentySpace.pdf — Full text of Feynman, R.P. 1959. Plenty of room at the bottom. *American Physical Society*.
- <http://inters.org/files/einsteinetal1935.pdf> — Full text of Einstein, A., et al. 1935. Can quantum-mechanical description of physical reality be considered complete? *Physical Review* **47**:777–780.
- <https://www.wsj.com/articles/models-will-run-the-world-1534716720> — Article by Steven A. Cohen and Matthew W. Granade, first appearing in the *Wall Street Journal* on August 19, 2018, entitled “Models will run the world.”
- <https://www.congress.gov/bill/115th-congress/house-bill/6227/text> — Full text of U.S. Public Law 115-368 (2018), the National Quantum Initiative Act.

Rafail Ostrovsky

- <http://web.cs.ucla.edu/~rafail> — View a listing of Ostrovsky’s academic publications.
- <https://eprint.iacr.org/2014/765.pdf> — Full text of Garay, J.A., et al. 2014. The Bitcoin backbone protocol: Analysis and applications. *Cryptology ePrint Archive Report 2014/765*.
- <https://eprint.iacr.org/2016/454.pdf> — Full text of Pass, R., et al. 2016. Analysis of the Blockchain protocol in asynchronous networks. *Cryptology ePrint Archive Report 2016/454*.
- https://people.csail.mit.edu/silvio/Selected%20Scientific%20Papers/Digital%20Signatures/A_Digital_Signature_Scheme_Secure_Against_Adaptive_Chosen-Message_Attack.pdf — Full text of Goldwasser, S., et al. 1988. A digital signature scheme secure against adaptive chosen-message attacks. *Society for Industrial and Applied Mathematics Journal of Computation* **17**(2):281–308.
- <http://web.cs.ucla.edu/~rafail/PUBLIC/11.pdf> — Full text of Goldwasser, S., and R. Ostrovsky. 1992. In *Springer-Verlag Lecture Notes in Computer Science, Proceedings of CRYPTO-92*, Santa Barbara.
- <https://eprint.iacr.org/2017/149.pdf> — Full text of updated/expanded version of Badertscher, C., et al. 2017. Bitcoin as a transaction ledger: A composable treatment. *Proceedings of the 37th Cryptology Conference*.
- <https://eprint.iacr.org/2016/1048.pdf> — Full text of updated/expanded version of Garay, J.A., et al. 2017. The Bitcoin backbone protocol with chains of variable difficulty. *Proceedings of the 37th Cryptology Conference*.
- <https://eprint.iacr.org/2016/889.pdf> — Full text of Kiayias, A., et al. 2017. Ouroboros: A provably secure proof-of-stake blockchain protocol. *Proceedings of the 37th Cryptology Conference*.
- <https://eprint.iacr.org/2017/573.pdf> — Full text of David, B., et al. 2018. Ouroboros Praos: An adaptively-secure semi-synchronous proof-of-stake blockchain. *Advances in Cryptology—EUROCRYPT 2018* 66–98.
- <https://eprint.iacr.org/2018/378.pdf> — Full text of Badertscher, C., et al. 2018. Ouroboros Genesis: Composable proof-of-stake blockchain with dynamic availability. *Proceedings of the 2018 ACM SIGSAC Conference on Computer and Communications Security*.
- <https://arxiv.org/pdf/1607.01341.pdf> — Full text of the “more formal and asynchronous version a 2016 paper by Micali: Chen, J., and S. Micali. 2019. ALGORAND. *arXiv* 1607.01341v9.

Brian Platz

- <http://datacentricmanifesto.org> — The brief Data-Centric Manifesto states, “Data is the center of the universe; applications are ephemeral,” and lays out a few ramifications.

André Lucklow

- <https://dlt.mobi> — Learn about the Mobility Open Blockchain Initiative (MOBI).

- <https://w3c.github.io/vc-data-model> — Read the W3C’s specification of its “Verifiable credentials data model 1.0.”
- <https://hbr.org/2016/12/breaking-down-data-silos> — Article by Edd Wilder-James, first appearing in the *Harvard Business Review* on December 5, 2016, entitled “Breaking down data silos.”
- <https://www.oreilly.com/ideas/data-liquidity-in-the-age-of-inference> — Article by Roger Chen, first appearing on O’Reilly on September 22, 2017, entitled “Data liquidity in the age of inference.”
- https://www.youtube.com/watch?v=0tL9_E_dtqk — Video published by MOBI Connect on October 10, 2018, entitled “MOBI Grand Challenge.”
- <http://mobihacks.devpost.com> — Learn more about the MOBI Grand Challenge here.
- <https://www.mckinsey.com/industries/automotive-and-assembly/our-insights/the-trends-transforming-mobilitys-future> — Article, first appearing on McKinsey in March 2019, entitled “The trends transforming mobility’s future.”

Marcus Ziegelmeier and Ivan Gudymenko

- <https://blog.t-systems-mms.com/digitale-welt/blockchain-als-allheilmittel-herausforderungen-bei-datenschutz-und-it-sicherheit> — T-Systems Multimedia Solutions blogpost by Gudymenko and Stephan Groß, first appearing September 10, 2019, entitled “Blockchain as a disease? Challenges for data protection and IT security.” [*in German*; title translation courtesy of Google Translate]
- <https://www.wi.uni-bayreuth.de/pool/Dokumente/Blockchain-Whitepaper19.pdf> — Full text of Fridgen, G., et al. 2019. Supporting communication and cooperation in the asylum procedure with blockchain technology: A proof of concept by the Federal Office for Migration and Refugees [BAMF]. White paper. *Project Group Business & Information Systems Engineering of the Fraunhofer Institute for Applied Information Technology.*
- http://multimedia.gsb.bund.de/BAMF/Video/BAMFdigital/Blockchain@BAMF_EN.mp4 — Video depicting the potential of blockchain to streamline and protect the asylum and refugee process for the BAMF. [*in English*]

Timothy Persons

- http://www3.weforum.org/docs/WEF_GRR18_Report.pdf — Full text of the World Economic Forum’s “Global Risks Report 2018.”
- <https://www.youtube.com/watch?v=-O01G3tSYpU> — Video of the director of DARPA’s Information Innovation Office, John Launchbury, introducing the concept of the three waves of AI, first posted February 15, 2017, entitled “A DARPA perspective on artificial intelligence.”
- <https://www.gao.gov/assets/670/660591.pdf> — Full text of GAO report GAO-14-181SP, first published January 2014, entitled “Nanomanufacturing: Emergence and implications for U.S. competitiveness, the environment, and human health.”
- <https://www.gao.gov/assets/680/679903.pdf> — Full text of GAO report GAO-16-659SP, first published September 2016, entitled “Data and analytics innovation: Emerging opportunities and challenges.”
- <https://www.gao.gov/assets/680/670960.pdf> — Full text of GAO report GAO-15-505SP, first published June 2015, entitled “3D printing: Opportunities, challenges, and policy implications of additive manufacturing.”
- <https://www.gao.gov/assets/680/673772.pdf> — Full text of GAO report GAO-16-126SP, first published November 2015, entitled “Preparing for climate-related risks: Lessons from the private sector.”
- <https://www.gao.gov/assets/710/701378.pdf> — Full text of GAO Science & Tech Spotlight report GAO-19-704SP, first published September 2019, entitled “Blockchain & distributed ledger technologies.”
- <https://www.gao.gov/assets/710/701363.pdf> — Full text of GAO Science & Tech Spotlight report GAO-19-707SP, first published September 2019, entitled “Probabilistic genotyping software.”
- <https://www.gao.gov/assets/710/701375.pdf> — Full text of GAO Science & Tech Spotlight report GAO-19-706SP, first published September 2019, entitled “Opioid vaccines.”
- <https://www.gao.gov/assets/710/701369.pdf> — Full text of GAO Science & Tech Spotlight report GAO-19-705SP, first published September 2019, entitled “Hypersonic weapons.”

Michael Mylrea

- <https://guardtime.com/blog/blockchain-security-implications-for-the-industrial-internet> — Article by Mike Gault, first appearing in *CIO Review: IoT Technology* in July 2017, entitled “Blockchain security implications for the industrial Internet.”
- https://m.guardtime.com/files/KSI_data_sheet_201509.pdf — Data sheet first published on Guardtime, entitled “Keyless signature infrastructure: Massive-scale system integrity.”

- <https://www.pwc.com/gx/en/industries/assets/pwc-blockchain-opportunity-for-energy-producers-and-consumers.pdf> — Full text of PwC report, first published in 2016, entitled “Blockchain—An opportunity for energy producers and consumers?”
- https://ics.sans.org/media/E-ISAC_SANS_Ukraine_DUC_5.pdf — Full text of report published March 18, 2016, entitled “Analysis of the cyber attack on the Ukrainian power grid.”
- <https://www.wired.com/story/devils-ivy-iot-vulnerability> — Article by Andy Greenberg, first appearing in *Wired*, entitled “Hack brief: ‘Devil’s Ivy’ vulnerability could afflict millions of IoT devices.”
- <https://cointelegraph.com/news/maersk-ibm-launch-blockchain-shipping-supply-chain-platform> — Article by Marie Huillet, first appearing on Cointelegraph on August 9, 2018, entitled “Maersk, IBM launch blockchain shipping supply chain platform.”
- <https://media.consensys.net/why-military-blockchain-is-critical-in-the-age-of-cyber-warfare-93bea0be7619> — Article by Victoria Adams, first published by Consensys on March 5, 2019, entitled “Why military blockchain is critical in the age of cyber warfare.”
- <https://e-estonia.com/solutions/security-and-safety/ksi-blockchain> — Learn about the KSI blockchain that Estonia implemented in 2007 to secure the building blocks of e-Estonia.
- https://link.springer.com/chapter/10.1007/978-3-319-59719-5_12 — Abstract, references, and access options for Mylrea, M., and S.N.G. Gourisetti. 2017. Cybersecurity and optimization in smart “autonomous” buildings. Pages 263–294 in W. Lawless, R. Mittu, and D. Sofge, and S. Russell. *Autonomy and Artificial Intelligence: A Threat or Savior?* Springer, Cham.
- [http://www.iiisci.org/journal/CV\\$/sci/pdfs/SA513XS18.pdf](http://www.iiisci.org/journal/CV$/sci/pdfs/SA513XS18.pdf) — Full text of Mylrea, M., and S.N.G. Gourisetti. 2018. Blockchain: Next generation supply chain security for energy infrastructure and NERC critical infrastructure protection (CIP) compliance. *Semantics, Cybernetics and Informatics* 16(6):22–30.

Aniket Kate

- <https://www.cs.purdue.edu/homes/akate/publications.html> — Listing of Kate’s academic publications.
- <https://eprint.iacr.org/2012/596.pdf> — Full text of Androulaki, E., et al. 2013. Evaluating user privacy in bitcoin. *Proceedings of the Conference on Financial Cryptography and Data Security* 34–51.
- <https://cseweb.ucsd.edu/~smeiklejohn/files/imc13.pdf> — Full text of Meiklejohn, S., et al. 2013. A fistful of bitcoins: Characterizing payments among men with no names. *Proceedings of the Internet Measurement Conference* 127–140.
- https://www.ifca.ai/fc14/papers/fc14_submission_11.pdf — Full text of Spagnuolo, M., et al. 2014. Bitlodine: Extracting intelligence from the Bitcoin network. *Proceedings of the Conference on Financial Cryptography and Data Security*.
- https://fc14.ifca.ai/papers/fc14_submission_71.pdf — Full text of Koshy, P., et al. 2014. An analysis of anonymity in Bitcoin using P2P network traffic. *Proceedings of the Conference on Financial Cryptography and Data Security*.
- <http://crypsys.mmci.uni-saarland.de/projects/LinkingWallets/paper.pdf> — Full text of Moreno-Sanchez, P., et al. 2016. Listening to whispers of Ripple: Linking wallets and deanonymizing transactions in the Ripple network. *Proceedings on Privacy Enhancing Technologies* (4):1–18.
- <https://www.forbes.com/sites/monicamelton/2019/04/09/blockchain-could-be-used-by-at-least-50-of-all-companies-within-3-years-oracle-exec-says/#2ef71b5555cf> — Article by Monica Melton, first appearing in *Forbes* on April 9, 2019, entitled “Blockchain could be used by at least 50% of all companies within 3 years, Oracle exec says.”

Anne Kim

- <https://www.wired.com/story/google-differential-privacy-open-source> — Article by Lily Hay Newman, first appearing in *Wired* on September 5, 2018, entitled “Google wants to help tech companies know less about you.”
- <https://viral.media.mit.edu/pub/medrec> — Article by Ariel Ekblaw and Asiaf Azaria, published April 11, 2016, entitled “MedRec: Medical data management on the blockchain.”
- <https://www.nature.com/articles/s41586-019-1237-9> — Full text of Lloyd-Price, J., et al. 2019. Multi-omics of the gut microbial ecosystem in inflammatory bowel diseases. *Nature* 569:655–662.

Len Kleinrock

- <https://samueli.ucla.edu/internet50> — Come here for information about the celebration of the 50th anniversary of the Internet; while there, please register to attend the Oct 29, 2019 event at UCLA’s Royce Hall.