Vincent Y. Zhuang, Ph.D. Age breeds wisdom.

Contact	School of Accounting & Finance, Faculty of Business +852 - 3400 3294
INFORMATION	The Hong Kong Polytechnic University, Hong Kong Structure with my PGP public key, please refer to my personal website for more details of the fingerprint and full public key.
Erdős Number	My Erdős Number is 3 . (Vincent Y. Zhuang - Andrew B. Whinston - Daniel J. Kleitman/Bruce L. Rothschild - Paul Erdős)
BACON NUMBER	My Bacon Number is ∞ . Hopefully a real number will be available in the near future.
Erdős-Bacon Number	My Erdős-Bacon Number is ∞ . Hopefully a real number will be available in the near future.
Academic Genealogy	My Academic Genealogy humbly goes back to Isaac Newton and beyond using data from the Mathematics Genealogy Project. A diagram of my Academic Genealogy is available on my personal website thanks to Joseph C. Bonneau, Ian A. Goldberg, and Gerhard P. Hancke.
Highest	Doctor of Philosophy, City University of Hong Kong, Kowloon Tong, Hong Kong
Education	Visiting Ph.D. Student, McCombs School of Business, The University of Texas at Austin, TX, USA
Research Interests	Topics: Managerial Financial Communication, Corporate Financial Reporting, Managerial Traits, Security Economics, CryptoEconomics, DeFi, Modern Cryptography, Information Security, Mobile Payment, Real Estate and PropertyTech, RFID and Smart Cards, Industrial IoT
	Methodologies: Financial Econometrics, Field Experiments, Applied Cryptography, Privacy Models, Machine Learning in Finance, Proximity Authentication Protocols
Highlights	"Data! Data! Data! I can't make bricks without clay." The Adventures of Sherlock Holmes, by Sir Arthur Conan Doyle, 1892
	To advance finance and accounting analytics with artificial intelligence thereby creating business value from unstructured big data.
CURRENT Position	RAP School of Accounting & Finance, Faculty of Business, The Hong Kong Polytechnic University
Refereed Journal Papers	* UTD 24 = Top 24 Journals for UT Dallas Top 100 Business School Research Rankings; * FT 50 = Top 50 Journals used in Financial Times Research Ranking.
(Business	Security Economics
ANALYTICS)	 "Understanding Security Vulnerability Awareness, Firm Incentives, and ICT Development in Pan- Asia," with Y. Choi, S. He, A. Leung, G.M. Lee, and A.B. Whinston, <i>Journal of Management</i> <i>Information Systems (JMIS)</i>, Volume 37, Issue 3, Pages. 668-693, 2020. Impact Factor: 7.838, (FT 50)
	• Funded by US National Science Foundation (NSF) and HK Public Policy Research Funding Scheme (PPR)
	• Best Research-In-Progress Runner-Up Award at WITS 2017
	• Presented in ISOneWorld 2017, WITS 2017, WEIS 2018, BIGS 2018, CityU HK IS Workshop 2018, and HICSS 2020

Refereed	Cryptographic Protocols and Privacy Models
Journal Papers	3. "Energy-Efficient Distance-Bounding with Residual Charge Computation." with A. Yang, G.P. Hancke, D.S. Wong, and G. Yang. <i>IEEE Transactions on Emerging Topics in Computing.</i>
(INFORMATION SECURITY &	vol. 8, no. 2, pp. 365-376, October 2017. Impact Factor: 7.691
Cryptography)	2. "Exploring Relationship between Indistinguishability-based and Unpredictability-Based RFID Privacy Models." with A. Yang, G.P. Hancke, D.S. Wong, G. Yang, and J. Weng. <i>Future</i> <i>Generation Computer Systems.</i> Vol 82, pp. 315-326, May 2018. Impact Factor: 7.187
	 "A New Unpredictability-Based RFID Forward Privacy Model and a Provably Secure Construction." with A. Yang, K. Liang, D.S. Wong, and X. Jia. <i>Security and Communication Networks</i>. Volume 8 Issue 16, Pages. 2836–2849, November 2015. Impact Factor: 1.791
Refereed	• Security Economics

• Security Economics CONFERENCE 12. "Information Disclosure and Security Vulnerability Awareness: A Large-Scale Randomized Field Experiment Across the Trans-Pacific Region," with Y. Choi, S. He, A. Leung, G.M. Lee, and A.B. Whinston, Accepted at HICSS 2020 - 52nd The Hawaii International Conference on System Sciences. Hawaii, USA

- 11. "Information Disclosure and Security Policy Design: A Large-Scale Randomized Experiment in Pan-Asia," with Y. Choi, A. Leung, G.M. Lee, S. He, and A.B. Whinston. Accepted at 17th Annual Workshop on the Economics of Information Security (WEIS 2018), Innsbruck, Austria.
- 10. "A Pan-Asian Field Experiment of Organizational Awareness to Information Security and Preparedness Against Cybercrime," with Y. Choi, A. Leung, G.M. Lee, S. He, and A.B. Whinston. Accepted at 27th Workshop on Information Technology & Systems 2017 (WITS 2017), Seoul, South Korea. Best Research-In-Progress Runner-Up Award
- 9. "On Decentralizing Clearing and Settlement Process for Prediction Markets and Automatic Order Book Matching: No Front-Running," with A. Leung. Accepted at The 16th Workshop on e-Business 2017 (WeB 2017), Seoul, South Korea.
- 8. "Towards A Better Measure of Cybersecurity Awareness: An Exploratory Study of Online Scams in Pan-Asia" with Y. Choi, A. Leung, G.M. Lee, S. He, and A.B. Whinston. Accepted at ISOne World and Annual Security Conference 2017, Las Vegas, NV, USA.
- e-Learning

PAPERS

- 7. "When Innovation Meets Evolution: An Extensive Study of Emerging e-Learning Technologies for Higher Education in Hong Kong." with H. Ma, H. Xie, A. Leung, G.P. Hancke, and F. Wang. 1st Symposium on Emerging Technologies for Education (SETE 2016). Lecture Notes in Computer Science, vol 10108, pp 574-584. Springer. 2016
- 6. "On Security and Privacy of Quick Response System in Classroom Teaching." with Y. Chen, H. Xie, and F. Wang. 1st Symposium on Emerging Technologies for Education (SETE 2016). Lecture Notes in Computer Science, vol 10108, pp 591-597. Springer. 2016
- Cryptographic Protocols and Privacy Models
- 5. "Matching in Proximity Authentication and Mobile Payment EcoSystem: What Are We Missing?" with A. Leung, and J. Hughes. 12th Workshop on RFID and IoT Security (RFIDSec 2016), Lecture Notes in Computer Science, vol 10155, pp 163-172. Springer, 2017

	4. "How to Demonstrate Our Presence without Disclosing Identity? Evidence from a G Proof Protocol." with G.P. Hancke, and D.S. Wong. The 16th International Works Information Security Applications (WISA 2015), Lecture Notes in Computer Scien pp. 1-13, Springer 2016	shop on
	3. "A New Unpredictability-Based RFID Privacy Model." with A. Yang, D.S. Wong, and <i>The 7th International Conference on Network and System Security (NSS 2013)</i> , Notes in Computer Science 7873, pp. 479-492, Springer, 2013.	
	2. "A Highly Efficient RFID Distance Bounding Protocol Without Real-time PRF Evaluatio A. Yang, D.S. Wong, G. Yang, and Q. Xie. <i>The 7th International Conference on N</i> and System Security (NSS 2013), Lecture Notes in Computer Science 7873, pp. Springer, 2013.	Network
	 "An Efficient Single-Slow-Phase Mutually Authenticated RFID Distance Bounding Proto Tag Privacy." with A. Yang, and D.S. Wong. <i>The 14th International Conference on</i> <i>mation and Communication Security (ICICS 2012)</i>, Lecture Notes in Computer 7618, pp. 285-292, Springer, 2012. 	n Infor-
Media Coverage	Quantifying and publicizing a firm's security levels leads to reduced spam and may str security over time [Science Daily] [UBC Sauder] [Phys.org] [UConn Today] [EurekAlert!]	rengthen
	Rating Companies' Cybersecurity Preparedness May Lead To Stronger Sites [Science Blog]	
	Spam Shaming to Improve Cybersecurity [McCombs Medium] [Texas Enterprise]	
Professional Services and Activities	Inaugural Student Program Committee Member (Student PC or Shadow PC 37th IEEE Symposium on Security and Privacy (IEEE S&P Oakland 2016)	2016 2016
	Program Co-Chair: 2nd International Workshop on User Modeling for Web-based Learning	2016
	Local Organization Chair: RFIDSec 2016: The 12th International Workshop on RFID and IoT Security	2016
	Publicity Co-Chairs:	2016
	The 1st International Symposium on User Modeling and Language Learning The 4th International Workshop on Semantic Computing and Personalization The 22nd International Conference on Database Systems for Advanced Applications	2017 2017 2017
	Program Committee Member (PC Member): The Pacific Asia Conference on Information Systems (PACIS) 20	020-2022
	IEEE International Conference on Blockchain and Cryptocurrency (ICBC)20International Workshop on Advances in Artificial Intelligence for Blockchain (AIChair)19-2022
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The 11th International Conference on Information Security Theory and Practice	20
The 1st International Symposium on User Modeling and Language Learning	20
The International Workshop on Affective and Sentimental Computing	20
The 4th International Workshop on Semantic Computing and Personalization	20
The 12th International Workshop RFID and IoT Security (RFIDSec)	20
International Symposium on Emerging Technologies on Education (SETE)	2016-20
Ad-hoc Journal Reviewer:	
Journal of International Accounting Research (JIAR)	20
Information Technology and Management (ITM)	2020-20
Communications of the Association for Information Systems (CAIS)	20
Journal of Universal Computer Science (JUCS)	20
IEEE Transactions on Network and Service Management (TNSM)	2020-20
IEEE Transactions on Industrial Informatics (TII)	2015-20
IEEE Transactions on Computers (TC)	20
International Journal of Machine Learning and Cybernetics (JMLC)	20
Computer Networks	20
Ad Hoc Networks	20
International Journal of Distributed Sensor Networks (IJDSN)	20
53rd Hawaii International Conference on System Sciences (HICSS)	2020-20
The Pacific Asia Conference on Information Systems (PACIS) 53rd Hawaii International Conference on System Sciences (HICSS)	2020-20 2020-20
International Conference on Information Systems (ICIS)	2018-20
	2019-20
IEEE International Conference on Blockchain and Cryptocurrency (ICBC)	
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IEEE International Conference on Blockchain (ICB)	2017-20
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 IEEE International Conference on Blockchain (ICB) Global Chinese Conference on Computers in Education (GCCCE) International Conference on Web-based Learning (ICWL) The 11th International Conference on Information Security Theory and Practice The 1st International Symposium on User Modeling and Language Learning The International Workshop on Affective and Sentimental Computing The 4th International Workshop on Semantic Computing and Personalization The 12th International Workshop RFID and IoT Security (RFIDSec) IEEE Symposium on Security and Privacy (IEEE S&P) IEEE International Symposium on Industrial Electronics (IEEE ISIE) Conference on Information Security and Privacy (WISP) 	2018-20 2017-20 2017-20 20 20 20 20 20 20 20 20 20 20 20 20 2

Teaching Interests Information Security, Applied Cryptography, Accounting and Finance Analytics, DeFi, DEconomy, CryptoEconomics, DLT and Cryptocurrency Technologies, Information Management, Business Analytics, Digital Economy, Financial Technology, Computer Networking and Programming