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PROFESSIONAL EXPERIENCE	Assistant Professor	08/2023 – Present
	Computer Science, Georgia Tech Shenzhen Institute (GTSI), Tianjin University	
	Postdoctoral Associate Department of Computer Science, Virginia Tech	08/2021 – 06/2023
	Software Engineer/Project Manager	01/2010 – 07/2012
	Department of Energy Management System, NR Electric Co. Ltd, Nanjing, China	
RESEARCH INTERESTS	Privacy Protection in Wireless Networks	
	Mobile Network Security and Privacy	
	Wireless Sensing	
	Internet of Things Security	
	Cyber-Physical Security	
EDUCATION	Virginia Polytechnic Institute and State University, US	09/2012 – 05/2018
	Ph.D. in Computer Science	
	Advisor: Dr. Wenjing Lou	
	Tsinghua University, China	09/2006 – 06/2009
	M.S. in Computer Science	
	Advisor: Dr. Hao Yin	
	Southeast University, China	09/1999 – 06/2003
	B.S. in Information Engineering	
TEACHING EXPERIENCE	Instructor, GTSI, Shenzhen	
	ECE4115, Introduction to Comp Security	Summer 2024
	CS1332, Data Structures and Algorithms	Summer 2024
	CS6035, Introduction to Information Security	Spring 2024
	CS6238, Secure Computer Systems	Fall 2023
	Graduate Teaching Assistant, Virginia Tech	
	CS2505, Computer Organization I	09/2012 – 05/2013
JOURNAL PUBLICATIONS	1. J. Lian, C. Du, J. Lou, L. Chen, and X. Yuan, “EchoSensor: Fine-Grained Ultrasonic Sensing for Smart Home Intrusion Detection,” <i>ACM Transactions on Sensor Networks</i> , vol. 20, no. 1, pp. 1–24, 2023	
	2. B. Huang, C. Du, M. Sun, and X. Yuan, “A Dynamic Virtual Datacenter Selection Strategy for Integrated Cloud Service Platform Construction with Multiclouds,” <i>IEEE Access</i> , vol. PP, pp. 1–1, Nov. 2019, doi: 10.1109/ACCESS.2019.2956169	
	3. Y. Zhao, J. Liu, Q. Fang, L. Xu, C. Du, and X. Yuan, “A strategy for improving NetClust server placement for multicloud environments,” <i>Turkish Journal of Electrical Engineering & Computer Sciences</i> , vol. 26, no. 1, pp. 115–124, Jan. 2018, doi: 10.3906/elk-1704-206	
	4. R. Zhang, N. Zhang, C. Du, W. Lou, Y. Hou, and Y. Kawamoto, “From Electromyogram to Password: Exploring the Privacy Impact of Wearables in Augmented Reality,” <i>ACM Transactions on Intelligent Systems</i>	

and Technology (TIST), vol. 9, no. 1, pp. 13, Sep. 2017, doi: 10.1145/3078844, (Impact Factor 4.654)

5. X. Liu, H. Yin, C. Lin, and C. Du, “Efficient User Authentication and Key Management for Peer-to-Peer Live Streaming Systems,” *Tsinghua Science & Technology*, vol. 14, no. 2, pp. 234–241, Apr. 2009, doi: 10.1016/S1007-0214(09)70035-5, (Impact Factor 2.016)
6. H. Yin, C. Du, C. Ren, Z. Chen, G. Min, and C. Lin, “A secure and scalable video conference system based on peer-assisted content delivery networks,” *Computer Systems Science and Engineering*, vol. 24, no. 5, pp. 361–371, Sep. 2009, (Impact Factor 1.486)

CONFERENCE
PUBLICATIONS

1. M. Barat, S. Li, C. Du, Y. Hou, and W. Lou, “SoK: Public Blockchain Sharding,” in *IEEE ICBC*, 2024, (Accepted by IEEE ICBC 2024)
2. S. Shi, Y. Xiao, C. Du, Y. Shi, W. Lou, and Y. Hou, “TriSAS: Toward Dependable Inter-SAS Coordination with Auditability,” in *AsiaCCS*, 2024, (Accepted by AsiaCCS 2024)
3. H. Yu, C. Du, Y. Xiao, A. Keromytis, C. Wang, R. Gazda, Y. Hou, and W. Lou, “AAKA: An Anti-Tracking Cellular Authentication Scheme Leveraging Anonymous Credentials,” in *Network and Distributed System Security Symposium (NDSS)*, 2023
4. C. Zhang, N. Wang, S. Shi, C. Du, W. Lou, and Y. Hou, “MINDFL: Mitigating the Impact of Imbalanced and Noisy-labeled Data in Federated Learning with Quality and Fairness-Aware Client Selection,” in *MILCOM 2023-2023 IEEE Military Communications Conference (MILCOM)*, 2023, pp. 331–338
5. C. Du, H. Yu, Y. Xiao, Y. Hou, A. Keromytis, and W. Lou, “UCBlocker: Unwanted call blocking using anonymous authentication,” in *32nd USENIX Security Symposium (USENIX Security 23)*, 2023, pp. 445–462
6. S. Shi, Y. Xiao, C. Du, M. Shahriar, A. Li, N. Zhang, Y. Hou, and W. Lou, “MS-PTP: Protecting Network Timing from Byzantine Attacks,” in *Proceedings of the 16th ACM Conference on Security and Privacy in Wireless and Mobile Networks*, 2023, pp. 61–71
7. C. Du, H. Yu, Y. Xiao, W. Lou, C. Wang, R. Gazda, and Y. Hou, “Mobile Tracking in 5G and Beyond Networks: Problems, Challenges, and New Directions,” in *The 19th IEEE International Conference on Mobile Ad-Hoc and Smart Systems (MASS)*, 2022, pp. 1–9, doi: 10.1109/MASS56207.2022.00067
8. C. Du, X. Yuan, W. Lou, and Y. Hou, “Context-Free Fine-Grained Motion Sensing using WiFi,” in *2018 15th Annual IEEE International Conference on Sensing, Communication, and Networking (SECON)*, 2018, pp. 1–9, doi: 10.1109/SAHCN.2018.8397118, (Acceptance Rate 49/211=23.2%)
9. X. Yuan, Y. He, Q. Fang, X. Tong, C. Du, and Y. Ding, “An Improved Fast Search and Find of Density Peaks-Based Fog Node Location of Fog Computing System,” in *Internet of Things (iThings) and IEEE Green Computing and Communications (GreenCom) and IEEE Cyber, Physical and Social Computing (CPSCom) and IEEE Smart Data (SmartData)*, 2017 IEEE International Conference on, 2017, pp. 635–642, doi: 10.1109/iThings-GreenCom-CPSCom-SmartData.2017.100
10. R. Zhang, N. Zhang, C. Du, W. Lou, Y. Hou, and Y. Kawamoto, “AugAuth: Shoulder-Surfing Resistant Authentication for Augmented Reality,” in *Communications (ICC), 2017 IEEE International Conference on*, 2017, pp. 1–6, doi: 10.1109/ICC.2017.7997251
11. C. Du, R. Zhang, W. Lou, and Y. Hou, “MobTrack: Locating Indoor Interfering Radios With A Single Device,” in *INFOCOM 2016-The 35th Annual IEEE International Conference on Computer Communications, IEEE*, 2016, pp. 1–9, doi: 10.1109/INFOCOM.2016.7524344, (Acceptance Rate 300/1644=18.2%)
12. C. Du, H. Zeng, W. Lou, and Y. Hou, “On Cyclostationary Analysis of WiFi Signals for Direction Estimation,” in *Communications (ICC), 2015 IEEE International Conference on*, 2015, pp. 3557–3561, doi: 10.1109/ICC.2015.7248876

13. X. Yuan, H. Yin, X. Liu, C. Du, and G. Min, "Dynamic Resource Provision in Multi-Channel P2P Live Streaming Systems," in *Computer and Information Technology (CIT), 2010 IEEE 10th International Conference on*, 2010, pp. 1849–1855, doi: 10.1109/CIT.2010.318
14. X. Yuan, H. Yin, X. Liu, C. Du, and G. Min, "Server Placement for Peer-to-Peer Live Streaming Systems," in *Computer and Information Technology (CIT), 2010 IEEE 10th International Conference on*, 2010, pp. 349–355, doi: 10.1109/CIT.2010.88
15. C. Du, H. Yin, C. Lin, and Y. Hu, "VCNF: A Secure Video Conferencing System Based on P2P Technology," in *High Performance Computing and Communications, 2008. HPCC'08. 10th IEEE International Conference on*, 2008, pp. 463–469, doi: 10.1109/HPCC.2008.128, (Acceptance Rate 90/455=19.8%)

THESES & DISSERTATIONS

1. C. Du, "Exploring the Sensing Capability of Wireless Signals," Virginia Tech, Blacksburg, VA, May 2018
2. C. Du, "Interactive Multimedia Communication System Based on CDN," Tsinghua University, Beijing, China, June 2009

TALKS & POSTERS

1. X. Yuan, M. Sun, Q. Fang, and C. Du, "DLECP: A Dynamic Learning-based Edge Cloud Placement Framework for Mobile Cloud Computing," IEEE INFOCOM 2019 - IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS), Apr. 2019
2. C. Du and X. Yuan, "Poster: EchoAuth: Gait-based Smart Home Intrusion Detection through Acoustic Sensing," 26th Annual Network and Distributed System Security Symposium (NDSS 2019), Feb. 2019

ACADEMIC SERVICES

Technical Reviewing

- IEEE Transactions on Information Forensics and Security (TIFS) 2024
- International Journal of Intelligent Systems 2024
- IEEE Transactions on Dependable and Secure Computing (TDSC) 2023
- ACM Conference on Security and Privacy in Wireless and Mobile Networks (WiSec) 2023
- IEEE/ACM Transactions on Networking (ToN) 2018, 2022
- European Symposium on Research in Computer Security (ESORICS) 2013, 2015, 2022
- International Journal of Communication Systems (IJCS) 2019
- IEEE Journal of Biomedical and Health Informatics (JBHI) 2018
- IEEE International Conference on Computer Communications (INFOCOM) 2018
- IEEE Vehicular Technology Conference (VTC) 2018
- Transactions on Mobile Computing (TMC) 2018
- IEEE Conference on Communications and Network Security (CNS) 2018
- IEEE Wireless Communications and Networking Conference (WCNC) 2017
- IEEE Journal on Selected Areas - Series on Green Communications and Networking (JSAC-SGCN) 2016
- International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc) 2015
- IEEE Wireless Communications Letters (WCL) 2014
- The Workshop on Secure Network Protocols (NPSec) 2013
- International Conference on Information and Communications Security (ICICS) 2013
- International Conference on Security and Privacy in Communication Networks (SecureComm) 2013

Conference Organization

- TPC member for IEEE International Conference on Computer Communications (INFOCOM) demo 2023
- Technical support for ARO workshop on AI security and Security of AI 2023
- Session Chair for IEEE International Conference on Mobile Ad-Hoc and Smart Systems (MASS) 2022
- Technical support for MURI project review meeting 2022
- TPC member for IEEE Vehicular Technology Conference (VTC) 2018, 2020
- Student Volunteer for IEEE Conference on Communications and Network Security (CNS) 2013