Heng Xu

Warrington College of Business, University of Florida, Gainesville, FL
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Positions

Warrington College of Business, University of Florida

Professor of Management (with tenure)	08/2023 – present
Director, AI and Cyber Governance Center	08/2023 – present

Kogod School of Business, American University

Professor of Information Technology and Analytics (with tenure)	07/2018 – 08/2023
Director, Kogod Cybersecurity Governance Center (KCGC)	07/2018 – 08/2023
Co-Director, Robust Analytics Lab	07/2018 – 08/2023

- Co-founded and co-led Robust Analytics Lab to work on a diverse set of projects supported by competitive grants from the National Science Foundation (NSF), the Defense Advanced Research Project Agency, and the National Institute of Health.

- As the center director of KCGC, attracted donations from organizations such as Amazon, Facebook, Discovery, Marriott, Raytheon, Financial Industry Regulatory Authority, etc.; founded a university-wide cybersecurity undergraduate apprenticeship program sponsored by NSF and SANS Institute.

College of Information Sciences and Technology, Pennsylvania State University

Associate Professor (with tenure)	07/2012 – 06/2018
Director, Privacy Analytics Lab	08/2007 – 06/2018
Assistant Professor	08/2006 – 06/2012

- Founded and led the Privacy Analytics Lab to work on a diverse set of projects funded by NSF and National Security Agency.
- Received the National Science Foundation CAREER award in 2010.
- Awarded the endowed PNC Technologies professorship in 2010.

National Science Foundation, Directorate for Social, Behavioral, and Economic Sciences (SBE)

Program Director	08/2013 – 08/2016

Major program responsibilities include Secure and Trustworthy Cyberspace (SaTC), and Critical Techniques and Technologies for Advancing Big Data Science & Engineering (BIGDATA).

- Served as a co-chair for the Federal Privacy R&D Inter-agency Working Group, to coordinate privacy-related R&D activities across 14 federal agencies, develop joint research strategies.

- Participated in developing and drafting the [National Privacy Research Strategy](#), released by the White House in 2016.

- Led the Social, Behavioral, and Economic (SBE) perspective of BIGDATA program, and created the BIGDATA Innovative Application in SBE sciences.

Education

Ph.D. in Information Systems   07/2001 – 06/2006
School of Computing, National University of Singapore, Singapore

B.B.A. in Information Management and Information Systems   09/1997 – 07/2001
School of Management, Shandong University, China

Selected Scholarly Activities and Achievements

Competitive External Grants

1. **Xu, H.** (PI), and Zhang, N. (Co-PI). Addressing Biases in Measurement of Self-Reported Privacy Constructs. *Meta* (2022-2023), $100,000.
2. Zhang, N. (PI), **Xu, H.** (Co-PI), and Wang, M. (Co-PI). FAI: Using Machine Learning to Address Structural Bias in Personnel Selection, jointly funded by *National Science Foundation & Amazon* (2021-2024), $999,177.
3. **Xu, H.** (PI), and Zhang, N. (Co-PI). Situation-Aware Identification and Rectification of Regrettable Privacy Decisions. *National Science Foundation* (2018-2024), $904,133.
4. Zhang, N. (PI), and **Xu, H.** (Co-PI). Theore: Theory-Driven Curation and Reusable Robustness Calculus of Social and Behavioral Sciences (SBS) Claims, *Defense Advanced Research Projects Agency* (2019-2020), $249,683.
5. Chow, S. (PI), Ram, N. (Co-I), **Xu, H.** (Co-I), Zhang, N. (Co-I), et al. The Center for Innovation in Intensive Longitudinal Studies. *National Institute of Health* (2018-2022), $1,896,924.
6. Chi, G. (PI), **Xu, H.** (Co-PI), Yin, J. (Co-PI), Van Hook, J. (Co-PI), and Plutzer, E. (Co-PI). The Generalizability and Replicability of Twitter Data for Population Research. *National Science Foundation* (2018-2023), $500,000.
7. **Xu, H.** (PI), and Zhang, N. (Co-PI). Establishing and Boosting Confidence Levels for Empirical Research Using Twitter Data. *National Science Foundation* (2018-2023), $400,000.
8. **Xu, H.** (PI), Basu Roy, S. (Co-PI), and Das, G. (Co-PI). Convergence HTF: Workshop on Converging Human and Technological Perspectives in Crowdsourcing Research. *National Science Foundation* (2017-2022), $49,124.
9. **Xu, H.** (PI). Intergovernmental Personnel Act (IPA) Assignment. *National Science Foundation* (2013-2016), $719,276.
10. **Xu, H.** (PI). CAREER: Examining Users' Collective Privacy Management for Online Social Networks. *National Science Foundation* (2010-2016), $486,606.
11. **Xu, H.** (PI), Carroll, J. M. (Co-PI), Rosson, M. B. (Co-PI), and Perkins, D. (Co-PI). MySpace Generation's Online Safety: Adolescent Attitude and Behavior, Parental Mediation, and Educational Intervention. *National Science Foundation* (2010-2015), $531,945.
12. Reddy, M. (PI), and **Xu, H.** (Co-PI). Collaborative Privacy Practices: Exploring Privacy in Information Intensive Environments. *National Science Foundation* (2010-2015), $507,981.
13. Chu, C. H. (PI), **Xu, H.** (Co-PI), and Liu, P. (Co-PI). IA Scholarship and Capacity Building Program. DoD Information Assurance Scholarship Program, *National Security Agency* (2008-2009), $101,734.

14. **Xu, H.** (PI), Rosson, M. B. (Co-PI), and Carroll, J. M. (Co-PI). CT-ER: Privacy Assurance in Location-Based Services: Integrating Economic Exchange and Social Justice Perspectives. *National Science Foundation* (2007-2010), $174,777.

15. Chu, C. H. (PI), **Xu, H.** (Co-PI), and Liu, P. (Co-PI). IA Scholarship and Capacity Building Program (Privacy Assurance Lab), DoD Information Assurance Scholarship Program. *National Security Agency* (2007-2008), $175,576.

Awards and Honors
(entries shaded in gray were jointly awarded to all authors of the paper)

Haim Mendelson Teaching Innovation Award	2023

Institute for Operations Research and Management Sciences (INFORMS), Information Systems Society

Outstanding Scholarship, Research, and Creative Activity Award	2022

One award per year at American University "*is given to a faculty member who has achieved distinction as a scholar as documented through publications; invited lectures and papers; leadership in professional societies; work on editorial boards; procurement of major grants; ... or selective positions of leadership.*"

MISQ Impact Award	2021

The inaugural Management Information Systems Quarterly (MISQ) Impact Award 2021 is given to one article published a decade earlier that has had "*the most significant and sustained scholarly impact, as shown by how it led to a change in thinking in the field, and by its prescience in identifying an important issue today.*"

Faculty Mentor Award	2021

AIS Doctoral Student College, Association for Information Systems (AIS)

Woman of Achievement Award	2021

IEEE Big Data Security Conference ("*for outstanding research contributions as well as mentoring and supporting women in the field*")

IEEE ITSS Leadership Award in Intelligence and Security Informatics	2020

IEEE Intelligent Transportation Systems Society ("*for extensive scholarly and community-building efforts around privacy and security*")

Best Paper Award	2019

Consumer 360° Track, American Marketing Association Summer Academic Conference

Best Paper Nomination	2019

Hawaii International Conference on System Sciences (HICSS)

Dean's Excellence Faculty Fellowship	2018-2023

Kogod School of Business, American University

The Operational Research Society's Stafford Beer Medal	2018

For outstanding contributions published in the *European Journal of Information Systems.*

Social Science Research Institute Faculty Fellowship	2018

Social Science Research Institute, The Pennsylvania State University

Best Paper Nomination	2018

Hawaii International Conference on System Sciences (HICSS)

Best Paper Award	2016

ACM SIGCHI International Conference on Human Factors in Computing Systems (CHI)

Best Paper Award	2015

ACM SIGCHI International Conference on Human Factors in Computing Systems (CHI)

Best Paper Award Honorable Mention	2015

ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW)

Best Paper Nomination	2015

Hawaii International Conference on System Sciences (HICSS)

Best Paper Award Honorable Mention	2014

ACM SIGCHI International Conference on Human Factors in Computing Systems (CHI)

Endowed PNC Technologies Career Development Professorship	2010-2013

The Pennsylvania State University

Best Paper Award Honorable Mention	2013

ACM SIGCHI International Conference on Human Factors in Computing Systems (CHI)

Best Paper Nomination	2012

International Conference on Electronic Commerce (ICEC)

NSF CAREER Award	2010

National Science Foundation (NSF) Faculty Early Career Development Award ("*the most prestigious award in support of junior faculty who exemplify the role of teacher-scholars through outstanding research, excellent education, and the integration of education and research*")

Best Paper Award	2009

iConference

ACM SIGMIS Best Doctoral Dissertation Award (Runner-Up)	2006

in recognition of the best doctoral dissertations around the globe in the field of information systems

Singapore Infocomm Development Authority (iDA) Gold Medal and Prize	2006

for the best doctoral dissertation in the School of Computing at the National University of Singapore

Valedictorian and Ph.D. Commencement Speaker	2006

National University of Singapore

Singapore Millennium Foundation Postdoctoral Award and Fellowship	2005-2006

honors outstanding postdoctoral scholars selected from all academic disciplines to support their full-time research efforts at a research institute or university in Singapore.

IBM Ph.D. Fellowship	2004

This fellowship program is a competitive worldwide program, which honors exceptional Ph.D. students in many areas.

Selected Reports

- **National Academies of Sciences, Engineering, and Medicine.** (2018). "Open Science by Design: Realizing a Vision for 21st Century Research," Committee on Toward an Open Science Enterprise (committee member and coauthor of the consensus report), *Washington, DC: The National Academies Press.* [available online: https://doi.org/10.17226/25116]

- **National Science and Technology Council.** (2016). "National Privacy Research Strategy**,**" Subcommittee on Networking and Information Technology Research and Development, National Privacy Research Strategy Working Group (working group member and coauthor), *Washington, DC: The Executive Office of the President of the United States.* [available online: https://obamawhitehouse.archives.gov/sites/default/files/nprs_nstc_review_final.pdf]

Selected Journal Publications

(See Google Scholar page for a complete list of publications)

1. **Xu, H.,** and Zhang, N. (accepted). "Goal Orientation for Fair Machine Learning Algorithms," *Production and Operations Management.*

2. **Xu, H.,** and Zhang, N. (accepted). "An Onto-Epistemological Critique of Information Privacy Research," *Information Systems Research.*

3. Zhang, N. Wang, M., **Xu, H.**, Koenig, N., Hickman, L., Kuruzovich, J., Ng, V., Arhin, K., Wilson, D., Song, Q. C., Tang, C., Alexander, L., and Kim, Y. (accepted). "Reducing Subgroup Differences in Personnel Selection through the Application of Machine Learning," *Personnel Psychology.*

4. Zhang, N., and **Xu, H.** (accepted). "Fairness of Ratemaking for Catastrophe Insurance: Lessons from Machine Learning," *Information Systems Research.*

5. **Xu, H.**, and Zhang, N. (2023). "Privacy Implications of Blockchain Systems: A Data Management Perspective," *Organizational Cybersecurity Journal*: *Practice, Process and People* (3:1), pp. 71-79.

6. **Xu, H.**, and Zhang, N. (2022). "From Contextualizing to Context-Theorizing: Assessing Context Effects in Privacy Research," *Management Science* (68:10), 7383-7401.

7. **Xu, H.**, and Dinev, T. (2022). "Reflections on The 2021 Impact Award: Why Privacy Still Matters," *Management Information Systems Quarterly* (46:4), xx-xxxii.

8. **Xu, H.**, and Zhang, N. (2022). "Implications of Data Anonymization on the Statistical Evidence of Disparity," *Management Science* (68:4), 2600-2618.

9. Zhang, N., Wang, M., and **Xu, H.** (2022). "Disentangling Effect Size Heterogeneity in Meta-analysis: A Latent Mixture Approach," *Psychological Methods* (27:3), 373–399.

10. Zhang, N., and **Xu, H.** (2021). Reconciling the Paradoxical Findings of Choice Overload Through an Analytical Lens, *Management Information Systems Quarterly* (45:4), 1893-1920.

11. **Xu, H.**, Zhang, N., and Zhou, L. (2020). Validity Concerns In Research Using Organic Data, *Journal of Management* (46:7), 1257-1274.

12. Luo, X., Li, H., Hu, Q., and **Xu, H.** (2020). Why Do Individual Employees Commit Malicious Computer Abuses? A Routine Activity Theory Perspective, *Journal of the Association for Information Systems* (21:6), Article 5.

13.   **Xu, H.**, and Zhang, N. (2019). Privacy in Health Disparity Research, *Medical Care* (57), S172-S175.

14.   Gu, J., Xu, Y., **Xu, H.**, Zhang, C., and Ling, H. (2017). Privacy Concerns for Mobile App Download: An Elaboration Likelihood Model Perspective, *Decision Support Systems* (94), pp. 19–28.

15.   Parks, R., **Xu, H.**, Chu, C-H., and Lowry, B. P. (2017), Examining the Intended and Unintended Consequences of Organizational Privacy Safeguards Enactment in Healthcare: A Grounded Theory Investigation, *European Journal of Information Systems* (26:1), pp. 37–65. (*awarded the Operational Research Society's* Stafford Beer Medal *in 2018*)

16.   Erickson, L., Wisniewski, P., **Xu, H.**, Rosson, M.B., and Carroll, J.M. (2016). The Boundaries Between: Parental Involvement in a Teen's Online World, *Journal of the Association for Information Science and Technology* (67:6), 1384-1403.

17.   Jia, H., and **Xu, H.** (2016). Measuring Individuals' Concerns over Collective Privacy on Social Networking Sites, *Cyberpsychology: Journal of Psychosocial Research on Cyberspace* (10:1), Article 4.

18.   Eikey, E., Murphy, A., Reddy, M., and **Xu. H.** (2015). Designing for Privacy Management in Hospitals: Understanding the Gap between User Activities and IT Staff's Understandings, *International Journal of Medical Informatics* (84:12), pp. 1065-1075.

19.   Dinev, T., **Xu, H.**, Smith, H. J., and Hart, P. (2013). Information Privacy and Correlates: An Empirical Attempt to Bridge and Distinguish Privacy-Related Concepts, *European Journal of Information Systems* (22:3), pp. 295-316.

20.   **Xu, H.**, Teo, H. H., Tan, B.C.Y., and Agarwal, R. (2012). Effects of Individual Self-Protection, Industry Self-Regulation, and Government Regulation on Privacy Concerns: A Study of Location-Based Services, *Information Systems Research* (23: 4), pp. 1342-1363.

21.   **Xu, H.** (2012). Reframing Privacy 2.0 in Online Social Networks, *University of Pennsylvania Journal of Constitutional Law* (14:14), pp. 1077-1102.

22.   Smith, H. J., Dinev, T., and **Xu, H.** (2011). Information Privacy Research: An Interdisciplinary Review, *Management Information Systems Quarterly* (35:4), pp. 989-1015. (*awarded the inaugural* MISQ Impact Award *in 2021, for its significant and sustained scholarly impact*)

23.   Li, H., Sarathy, R., and **Xu, H.** (2011). The Role of Affect and Cognition on Online Consumers' Willingness to Disclose Personal Information, *Decision Support Systems*, Vol. 51, No. 3, pp. 434-445.

24.   **Xu, H.**, Dinev, T., Smith, H. J., and Hart, P. (2011). Information Privacy Concerns: Linking Individual Perceptions with Institutional Privacy Assurances, *Journal of the Association for Information Systems,* Vol. 12, No. 12, pp. 518-546.

25.   **Xu, H.**, Luo, X., Carroll, J.M., and Rosson, M.B. (2011). The Personalization Privacy Paradox: A Study of Privacy Decision Making Process for Location-Awareness Marketing, *Decision Support Systems*, Vol. 51, No.1, pp.42-52.

26.   Squicciarini, C. A., **Xu, H**., and Zhang, X. (2011). CoPE: Enabling Collaborative Privacy Management in Online Social Networks, *Journal of the Association for Information Science and Technology,* Vol. 62, No.3, pp.521-534.

27.   **Xu, H.**, Teo, H. H., Tan, B.C.Y., and Agarwal, R. (2009). The Role of Push–Pull Technology in Privacy Calculus: The Case of Location-Based Services, *Journal of Management Information Systems*, Vol. 26, No.3, pp.137-176. (*mentioned in the* Wall Street Journal, *"Unique Phone ID Numbers Explained," by Jennifer Valentino-DeVries, December 19, 2010*)

Competitive Refereed Conference Proceedings

In Computer Science, peer-reviewed conference proceedings are often more prestigious, selective, and impactful than journals. CHI and CSCW are considered as the top two premier outlets in the field of human-computer interaction.

28. Ghosh, A. K., Badillo-Urquiola, K., Rosson, M. B., **Xu, H.**, Carroll, J. M., and Wisniewski, P. J. (2018). A Matter of Control or Safety? Examining Parental Use of Technical Monitoring Apps on Teens' Mobile Devices. *Proceedings of the ACM Conference on Human Factors in Computing Systems* (**CHI**), Montréal, Canada.

29. Li, Y., Gui, X., Chen, Y., **Xu, H.**, and Kobsa, A. (2018). When SNS Privacy Settings Become Granular: Investigating Users' Choices, Rationales, and Influences on Their Social Experience, *Proceedings of the ACM on Human-Computer Interaction*, 2 (**CSCW**), Article No. 108.

30. Mchugh, B., Wisniewski, P., Rosson, M. B., **Xu, H.**, and Carroll, J. M. (2017). Most Teens Bounce Back: Using Diary Methods to Examine How Quickly Teens Recover from Episodic Online Risk Exposure, *Proceedings of the ACM on Human-Computer Interaction*, 1 (**CSCW**), Article No. 76.

31. Wisniewski, P., Ghosh, K.A., Rosson, M.B., **Xu, H.**, and Carroll, J.M. (2017). Parental Control vs. Teen Self-Regulation: Is There a Middle Ground for Mobile Online Safety? *Proceedings of the ACM Conference on Computer Supported Cooperative Work and Social Computing* (**CSCW**), Portland, Oregon, 51-69.

32. Wisniewski, P., **Xu, H.**, Rosson, M.B., and Carroll, J.M. (2017). Parents Just Don't Understand: Why Teens Don't Talk to Parents about Their Online Risk Experiences, *Proceedings of the ACM Conference on Computer Supported Cooperative Work and Social Computing* (**CSCW**), Portland, Oregon, 523-540.

33. Jia, H., and **Xu. H.** (2016). Autonomous and Interdependent: Collaborative Privacy Management on Social Network Sites, *Proceedings of the ACM Conference on Human Factors in Computing Systems* (**CHI**), San Jose, California, 4286-4297.

34. Wisniewski, P., **Xu, H.**, Rosson, M.B., Perkins, D., and Carroll, J.M. (2016). Dear Diary: Teens Reflect on Their Weekly Online Risk Experiences, *Proceedings of the ACM Conference on Human Factors in Computing Systems* (**CHI**), San Jose, California, 3919-3930. (*Best Paper Award*).

35. Zhang, B., and **Xu. H.** (2016). Privacy Nudges for Mobile Applications: Effects on the Creepiness Emotion and Privacy Attitudes, *Proceedings of the ACM Conference on Computer Supported Cooperative Work and Social Computing* (**CSCW**), San Francisco, California, 1674-1688.

36. Wisniewski, P., Jia, H., Wang, N., Zheng, S., **Xu, H.**, Rosson, M.B., and Carroll, J.M. (2015). Resilience Mitigates the Negative Effects of Adolescent Internet Addiction and Online Risk Exposure, *Proceedings of the ACM Conference on Human Factors in Computing Systems* (**CHI**), Seoul, Korea, 4029-4038. (*Best Paper Award*).

37. Wisniewski, P., Jia, H., **Xu, H.**, Rosson, M.B., and Carroll, J.M. (2015). "Preventative" vs. "Reactive:" How Parental Mediation Influences Teens' Social Media Privacy Behaviors, *Proceedings of the ACM Conference on Computer Supported Cooperative Work and Social Computing* (**CSCW**), Vancouver, Canada, 302-316. (*Best Paper Honorable Mention*).

38. Jia, H., Wisniewski, P., **Xu, H.**, Rosson, M.B., and Carroll, J.M. (2015). Risk-taking as a Learning Process for Shaping Teen's Online Information Privacy Behaviors, *Proceedings of the ACM Conference on Computer Supported Cooperative Work and Social Computing* (**CSCW**), Vancouver, Canada, 583-599.

39. Wisniewski, P., **Xu, H.**, and Chen, Y. (2014). Understanding User Adaptation Strategies for the Launching of Facebook Timeline, *Proceedings of the ACM Conference on Human Factors in Computing Systems* (**CHI**), Toronto, Canada, 2421-2430. (*Best Paper Honorable Mention*).

40. Wisniewski, P., **Xu, H.**, Rosson, M.B., and Carroll, J.M. (2014). Adolescent Online Safety: The 'Moral' of the Story, *Proceedings of 17th ACM Conference on Computer Supported Cooperative Work and Social Computing* (**CSCW**), Baltimore, Maryland, pp. 1258-1271.

41. Murphy, A., Reddy, M., and **Xu, H.** (2014). Privacy Practices in Collaborative Environments: A Study of Emergency Department Staff, *Proceedings of 17th ACM Conference on Computer Supported Cooperative Work and Social Computing* (**CSCW**), Baltimore, Maryland, pp. 269-282.

42. Chen, Y., **Xu, H.**, Zhou, Y., and Zhu, S. (2013). Is This App Safe for Children? A Comparison Study of Maturity Ratings on Android and iOS Applications, *Proceedings of the International World Wide Web Conference* (**WWW**), Rio de Janeiro, Brazil, pp. 201-212. (15% acceptance rate).

43. Shi, P., **Xu, H.**, and Chen, Y. (2013). Using Contextual Integrity to Examine Interpersonal Information Boundary on Social Network Sites, *Proceedings of the ACM Conference on Human Factors in Computing Systems* (**CHI**), Paris, France, pp.35-38. (*Best Paper Honorable Mention*)

44. Wang, N., Grossklags, J. and **Xu, H.** (2013). An Online Experiment of Social Applications' Privacy Authorization Dialogues, *Proceedings of 16th ACM Conference on Computer Supported Cooperative Work and Social Computing* (**CSCW**), San Antonio, Texas, pp. 261-272.

45. Chen, Y., and **Xu, H.** (2013). Privacy Management in Dynamic Groups: Understanding Information Privacy in Medical Practices, *Proceedings of 16th ACM Conference on Computer Supported Cooperative Work and Social Computing* (**CSCW**), San Antonio, Texas, , pp. 541-552.

46. **Xu, H.**, Zhang, C., Shi, P., and Song, P. (2009). Exploring the Role of Overt vs. Covert Personalization Strategy in Privacy Calculus, *Best Paper Proceedings of 69th Annual Meeting of the Academy of Management* (**AOM**), Chicago, Illinois. (6% acceptance rate for *Best Papers Proceedings*)

Selected Services

Services for the Community-at-Large

Committee Member   2024-present
Board on Human-Systems Integration, National Academies of Sciences, Engineering, and Medicine

Committee Member   2017-2018
National Academies of Sciences, Engineering, and Medicine, Committee on Open Science

Member of the Advisory Board   2016-present
Future of Privacy Forum

Co-Chair   2016
Federal Privacy R&D Inter-agency Working Group (coordinated privacy-related R&D activities across federal agencies to increase the understanding of challenges and opportunities in privacy research)

Member   2014-2016
National Privacy Research Strategy Working Group, Subcommittee on Networking and Information Technology Research and Development (developed and drafted the National Privacy Research Strategy, released by the White House in 2016)

Editorial Board Membership

1. Associate Editor, *Information Systems Research,* Jan 2022 - present
2. Associate Editor, *Management Information Systems Quarterly,* Jan 2018 - Dec 2021
3. Senior Editor Board, AIS Transactions on Human-Computer Interaction (THCI), Dec 2021 - present
4. Associate Editor, *IEEE Security & Privacy*, 2020 - present
5. Associate Editor, *Information Systems Research*, Special Issue "Unleashing the Power of Information Technology for Strategic Management of Disasters", 2021 - 2023
6. Guest Co-Editor, *Work, Aging and Retirement*, Special Issue "Aging and Technology Use in the Era of Digitization and Automation", 2020 - 2022
7. Associate Editor, *Information Systems Research*, Special Issue "Humans, Algorithms, and Augmented Intelligence: The Future of Work, Organizations, and Society", 2019
8. Associate Editor, *Information Systems Journal*, 2012 - 2017
9. Guest Co-Editor, Special Issue on Reframing Privacy in a Networked World, *Information Systems Journal*, 2014 - 2015
10. Guest Co-Editor, Special Issue on Privacy-Aware Electronic Society, *Annals of Telecommunications*, 2012 - 2013
11. Editorial Review Board, *IEEE Transactions on Engineering Management*, 2011 - 2017
12. Guest Co-Editor, Special Issue on E-Commerce Intelligence Development and Research in the Greater China Region, *Electronic Markets – The International Journal on Networked Business*, 2011
13. Guest Co-Editor, Special Issue on Trust and Privacy Assurance in Social Media, *ICST Transactions on Security and Safety*, 2011
14. Associate Editor, *Electronic Commerce Research and Applications Journal*, 2009 - 2013

Leadership Roles in Conferences

1. Workshop Organizer, Research Workshop on AI Governance, Washington, DC, March 23, 2023.
2. Workshop Organizer, Research Workshop on the Future of Human-AI Frontier (funded by National Science Foundation),Washington, DC, May 7-8, 2022.
3. Program Co-Chair, IFIP WG8.11/WG11.13 Dewald Roode Information Security Workshop, San Antonio, Texas, 2021.
4. Conference Co-Chair, the IEEE International Conference on Intelligence and Security Informatics, Arlington, VA, 2020.
5. Executive Committee, International Conference on Information Systems (ICIS), 2017-2020.
6. Doctoral Consortium Co-Chair, the 26th Americas Conference on Information Systems (AMCIS), Salt Lake City, Utah, 2020.
7. Co-Chair, ACM SIGMIS Doctoral Dissertation Award Competition, the 40th International Conferences on Information Systems (ICIS), Munich, Germany, 2019.
8. Doctoral Consortium Co-Chair, the 39th International Conferences on Information Systems (ICIS), San Francisco, CA, 2018.
9. Workshop Co-Organizer, Workshop on Converging Human and Technological Perspectives in Crowdsourcing Research (funded by National Science Foundation), Alexandria, VA, May 17-18, 2018.

10. Track Co-Chair, Security and Privacy Track, Grace Hopper Celebration of Women in Computing 2017, Orlando, FL, October 4-6, 2017.

11. Track Co-Chair, Security and Privacy Track, Grace Hopper Celebration of Women in Computing 2016, Houston, TX, October 19-21, 2016.

12. Workshop Co-Organizer, Information Privacy: Current and Future Research Directions, iConference, Philadelphia, PA, March 23, 2016.

13. Program Co-Chair, IFIP WG8.11/WG11.13 Dewald Roode Information Security Workshop, Newcastle University, Newcastle upon Tyne, UK, 2014.

14. Co-Organizer, the Workshop on Collaborative Privacy Practices in Social Media, the ACM Conference on Computer Supported Cooperative Work (CSCW), Hangzhou, China, 2011.

Teaching and Mentoring

Kogod School of Business, American University
- ITEC 466/666 Cybersecurity Risk Management
- ITEC 467/667 Cybersecurity Governance

College of Information Sciences and Technology, Pennsylvania State University
- SRA 111 Introduction to Security and Risk Analysis (new course development)
- SRA 472 Integration of Privacy and Security (new course development)
- IST 505 Foundations of Research Design in Information Sciences and Technology
- IST 531 Human Information Behavior
- IST 532 Organizational Informatics
- IST 590 Graduate Colloquium

Educational Outreach
- Founder, *CyberStart*, the cybersecurity apprenticeship program of American University, sponsored by the National Science Foundation and SANS Institute, 2020
- Summer Workshop on Privacy Awareness and Online Safety for middle school girls, Girlz Digital World Summer Camp, College of IST, Penn State University, June 17-21, 2013
- Summer Camp on Security and Privacy Awareness and Training for high school girls, Women in Science and Engineering (WISE), Penn State University, June 22-26, 2009

Ph.D. Advising at Penn State
- Guangxuan Zhang, Ph.D. in Information Sciences and Technology (IST), graduated in Dec 2016, *First position as Lecturer of Computer* Science *and Software Engineering at Penn State Behrend.*
- Na Wang, Ph.D. in IST, graduated in Dec 2015. *First position as senior research engineer at Samsung Research America.*
- Pan Shi, A.B.D. in IST, *First position as software engineer at Google.*
- Ying Chen, Ph.D. in Computer Science and Engineering (CSE), graduated in Aug 2014. *First position as data scientist at PayPal.*

- Rachida Parks, Ph.D. in IST, graduated in Aug 2012. *First position as tenure-track assistant professor in the College of Business at the University of Arkansas at Little Rock.*

Ph.D. Dissertation Committee

- Bo Zhang, Ph.D. in Mass Communications, graduated in Dec 2015. *First position as research scientist at Facebook.*
- Zhe Liu, Ph.D. in IST, graduated in Dec 2014. *First position as research staff member at IBM Research.*
- Jingwen He, Ph.D. in IST, graduated in Dec 2014. *First position as Product and Data Manager at BorderX Lab.*
- Jun Dai, Ph.D. in IST, graduated in July 2014. *First position as assistant professor at California State University, Sacramento.*
- Wei Xu, Ph.D. in CSE, graduated in July 2013. *First position as research engineer at Palo Alto Networks.*
- Suwan Juntiwasarakij, Ph.D. in IST, graduated in May 2012. *First position as senior lecturer at the King Mongkut's Institute of Technology at Ladkrabang, Thailand.*
- Wen Yao, Ph.D. in IST, graduated in May 2012. *First position at HP Labs.*
- Bo Zhao, Ph.D. in CSE, graduated in October 2011. *First position at AT&T.*
- Soumya Eachempati, Ph.D. in CSE, graduated in July 2010. *First position at Intel.*
- Xiaoxia Wu, Ph.D. in CSE, graduated in January 2010. *First position at Qualcomm.*
- Balaji Vaidyanathan, Ph.D. in CSE, graduated in January 2010. *First position at Taiwan Semiconductor Manufacturing Company.*
- Yan Sun, Ph.D. in CSE, graduated in December 2008. *First position at AT&T.*
- Min Shao, Ph.D. in CSE, graduated in June 2008. *First position at Microsoft.*