AHMED ABBASI

University of Notre Dame
Department of IT, Analytics, and Operations
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EDUCATION

Ph.D. in Information Systems
Specialization in Artificial Intelligence, with minor in Cognitive Science
Artificial Intelligence Lab, Department of Information Systems, University of Arizona, Tucson
Dissertation Title: Categorization, Analysis, and Visualization of Computer Mediated Communication and Electronic Markets

Master of Science in Operations Research
Fu Foundation School of Engineering and Applied Science, Columbia University, New York City

Master of Business Administration (Concentration in Information Technology),
Pamplin College of Business, Virginia Tech, Blacksburg

Bachelor of Science (Information Technology, Management Science),
Pamplin College of Business, Virginia Tech, Blacksburg

MAJOR AWARDS AND RECOGNITION

1. **Fellow of INFORMS (ISS)**, "for contributions to human-centered computational design in information systems," 2025
2. **ACM Distinguished Member**, "for contributions to human-centered analytics including stylometric and sentiment analysis," 2025
3. **Notre Dame All-Faculty Team Award**, provost-level award given annually to one faculty member per school/college for significant research contributions, 2025
4. **INFORMS Design Science Award**, INFORMS IS Society, "for design and development of machine learning and natural language processing (NLP) artifacts for modeling user behavioral data," 2019
5. **IEEE Technical Achievement Award**, IEEE SMC and ITS Societies, "for outstanding research in human-centered security," 2018
6. **IBM Faculty Award**, "for innovations in research related to big data analytics," 2014
7. **IEEE Big Data Security Senior Research Award**, IEEE Computer Society, "for outstanding research in Big Data and human-centered analytics, machine learning, and predictive modeling," 2026
8. **IEEE Senior Member**, 2014

WORK EXPERIENCE

Joe and Jane Giovanini Endowed Chair Professor:
2020 – Present, Department of IT, Analytics, and Operations, Mendoza College of Business, University of Notre Dame

- Co-Director, Human-centered Analytics Lab (2020 – present)
- Director, Analytics PhD Program (2021 – present)

Visiting Researcher:
2020 – 2022, Digital Experimentation Data Science Group, eBay
- Examining machine learning methods for improving digital experimentation

Associate Dean and Murray Research Endowed Chair Professor of Information Technology:
2018 – 2020, McIntire School of Commerce, University of Virginia, Charlottesville
- Director, Center for Business Analytics (2013 – 2020)
- Co-Director, MS in Business Analytics (2018 – 2020)

Murray Research Professor and Associate Professor of Information Technology:
2015 – 2018, McIntire School of Commerce, University of Virginia, Charlottesville

Associate Professor, Information Technology:
2014 – 2015, McIntire School of Commerce, University of Virginia, Charlottesville

Assistant Professor, Information Technology:
2011 – 2014, McIntire School of Commerce, University of Virginia, Charlottesville

Assistant Professor, Management Information Systems:
2008 - 2011, Sheldon B. Lubar School of Business, University of Wisconsin, Milwaukee

Research Associate and Project Lead:
2004 - 2008, Artificial Intelligence Lab, Department of MIS, University of Arizona, Tucson
- Managed large team of scientists, analysts, and developers involved in creating digital libraries, natural language processing, predictive modeling, and prototyping.

Research Assistant:
2003, Department of Business Information Technology, Virginia Tech, Blacksburg
- Conducted research related to the use of Neural Networks for business applications.

System Developer and Data Scientist:
2001-2003, Financial Services Industry, New York
- Developed fraud detection systems & ML models for wire transfer and letter of credit operations.

TEACHING EXPERIENCE

Course Instructor:
Fall 2020 – present, University of Notre Dame
PhD Seminar: Designing Human-centered AI, MBA/MSBA Elective: Unstructured Data Analytics

Summer 2011 – 2020, University of Virginia
GBAC 7215 Data Analytics III: Deep Learning, GBAC 7209 Data Analytics II: Machine Learning for Predictive Analytics, COMM 4240 E-Commerce and Web Analytics, COMM 4260 Business Analytics, MS MIT Mod 1: Data Networks, MS MIT Mod 3: Enterprise IT Management, Enterprise-level Analytics

Fall 2008 – Summer 2011, University of Wisconsin-Milwaukee
BA 335 Visual Systems Development, BA 532 Web Development, BA 740 MIS Concepts

Summer 2008, Brown Mackie College
CS 370 Java Programming Part II

Summer 2007 – Spring 2008, University of Arizona
Operations Management, Web Computing and Mining (lecturer), Topics in IS (guest lecturer)

Teaching Assistant:

Fall 2002 – Spring 2004, Virginia Tech
Quantitative Methods, Advanced Management Science, Computer Simulation, Project Management

JOURNAL PUBLICATIONS AND EDITORIALS

1. Duan, H., Yang, Y., Tam, K. Y., and Abbasi, A. "Robust Predictive Modeling under Unseen Data Distribution Shifts: A Methodological Commentary," **Information Systems Research**, forthcoming.
2. Zhang, D., Wang, R., Liu, J., Oketch, K., Shi, Y., Ji, H., and Abbasi, A. "Pavlov's Dog and Large Language Models: The Double-Edged Power of Context Conditioning," **IEEE Intelligent Systems**, 41(2), 2026, pp. 56-62.
3. Tyner, A. H., Abatayo, A. L., Daley, M., Field, S., Fox, N., Haber, N. A., Hahn, K. M., Kline Struhl, M., Mawhinney, B., Miske, O., Silverstein, P., Soderberg, C. K., Stankov, T., Abbasi, A., … Nosek, B. A., & Errington, T. M. "Investigating the Replicability of the Social and Behavioral Sciences," **Nature**, 652, 2026, pp. 143-150.
4. Mousavi, R., Kitchens, B., Oliver, A., and Abbasi, A. (2026). "From Lexicons to Large Language Models: A Holistic Evaluation of Psychometric Text Analysis in Social Science Research," **Information Systems Research**, forthcoming.
5. Greenspan, R. L., Dobolyi, D. G., Grabman, J., Abbasi, A., and Dodson, C., (2026). "The Influence of Face Recognition Ability and Race on the Relationship Between Psychological and Algorithmic Similarity," **Journal of Applied Research in Memory and Cognition**, forthcoming.
6. Zheng, R., Li, J., Zivkovic, M., and Abbasi, A. "Automating in High-Expertise, Low-Label Environments: Evidence-Based Medicine by Expert-Augmented Few-Shot Learning," **MIS Quarterly**, 49(3), 2025, pp.1049-1094.
7. Krishnan, R., Lalor, J. P., Prat, N., and Abbasi, A. "From Policy to Practice: Research Directions for Trustworthy and Responsible AI "By Design", **IEEE Intelligent Systems**, Sept-Oct, 2025, pp. 45-51.
8. Qin, R., Liu, D., Xu, C., Yan, Z., Tan, Z., …, Jiang, M., Abbasi, A. Xiong, J., Shi, Y. "Empirical Guidelines for Deploying LLMs onto Resource-constrained Edge Devices," **ACM Transactions on Design Automation of Electronic Systems**, 30(5), 2025, no. 5, pp. 1-58. *Selected as Editor's Pick for published TODAES papers.*
9. Islam, S., Agarwal, N., Abbasi, A., Zheng, W., Doretto, G., and Adjeroh, D. "PS3N: Leveraging Protein Sequence-Structure Similarity for Novel Drug-Drug Interaction Discovery," **Nature Scientific Reports**, 15, 2025, Article number: 37191.
10. Abbasi, A., Somanchi, S., and Kelley, K. "The Critical Challenge of using Large-scale Digital Experiment Platforms for Scientific Discovery," **MIS Quarterly**, 49(1), 2025, pp. 1-28.
11. Qin, R., Cook, R., Yang, K., Abbasi, A., Dobolyi, D., … Clifford, G. D. "Language Models for Online Depression Detection: A Review and Benchmark Analysis on Remote Interviews," **ACM Transactions on MIS**, 16(2), 2025, no. 12, pp. 1-35.
12. Mao, W., Qiu, X., and Abbasi, A. "LLMs and Their Applications in Medical Artificial Intelligence," **ACM Transactions on MIS**, 16(2), 2025, no. 10, pp. 1-7.
13. Yang, Y., Lalor, J. P., Abbasi, A., and Zeng, D. "Hierarchical Deep Document Model," **IEEE Transactions on Knowledge and Data Engineering**, 37(1), 2025, pp. 351-364.

14. Bevilacqua, M., Oketch, K., Qin, R., Stamey, W., Zhang, X., Gan, Y., Yang, K. Abbasi, A. "When Automated Assessment Meets Automated Content Generation: Examining Text Quality in the Era of GPTs," **ACM Transactions on Information Systems,** 43(2), 2025, no. 2, pp. 1-36.

15. Abbasi, A., Parsons, J., Pant, G., Sheng, O., and Sarker, S. "Pathways for Design Research on Artificial Intelligence," **Information Systems Research**, 35(2), 2024, pp. 441-459.

16. Kitchens, B., Claggett, J., and Abbasi, A. "Timely, Granular, and Actionable: Designing a Social Listening Platform for Public Health 3.0," **MIS Quarterly**, 48(3), 2024, pp. 899-930.

17. Lalor, J. P., Abbasi, A., Oketch, K., Yang, Y., and Forsgren, N. "Should Fairness be a Metric or a Model? A Model-based Framework for Assessing Bias in Machine Learning Pipelines," **ACM Transactions on Information Systems**, 42(4), 2024, no. 99, pp. 1-41. *Selected for presentation at ACM SIGIR (approximately 10-12% of annual TOIS publications are invited).*

18. Abbasi, A., Merrill, R. L., Rao, R., and Sheng, O. "Preparedness and Response in the Century of Disasters: Overview of Information Systems Research Frontiers," **Information Systems Research**, 35(2), 2024, pp. 460-468.

19. Jiang, Z., Seyedi, S., Griner, E., Abbasi, A., Rad, A. B., Kwon, H., Cotes, R. O., & Clifford, G. D. "Evaluating and Mitigating Unfairness in Multimodal Remote Mental Health Assessments," **PLOS Digital Health**, 3(7), 2024, e0000413.

20. Jiang, Z., Seyedi, S., Griner, E., Abbasi, A., Bahrami Rad, A., Kwon, H., Cotes, R. O., Clifford, G. D. "Multimodal Mental Health Digital Biomarker Analysis from Remote Interviews using Facial, Vocal, Linguistic, and Cardiovascular Patterns," **IEEE Journal of Biomedical and Health Informatics,** 28(3), 2024, 1680-1691.

21. Sarrazin-Gendron, R., Gheidari, P. G., Butyaev, A.,…Borderlands Science Development Team, Borderlands Science Players (BSP), Szantner, A., and Waldispuhl, J. "Improving Microbial Phylogeny with Citizen Science within a Mass-market Video Game," **Nature Biotechnology**, 2024, April 15. Was one of the top BSP members.

22. Abbasi, A., Chiang, R. H. L., and Xu, J. "Data Science for Social Good," **Journal of the Association for Information Systems,** 24(6), 2023, 1439-1458.

23. Somanchi, S., Abbasi, A., Kelley, K., Dobolyi, D., and Yuan, T. "Examining User Heterogeneity in Digital Experiments," **ACM Transactions on Information Systems**, 41(4), 2023, no. 100, pp. 1-34. *Selected for presentation at ACM SIGIR (approximately 10-12% of annual TOIS publications are invited).*

24. Seyedi, S., Griner, E., Corbin, L., Jiang, Z. Iacobelli, L., Milloy, A., Boazak, M. Bahrami Rad, A., Abbasi, A., Cotes, R. O., Clifford, G. D. "A Comparison of HIPAA-Compliant Transcription Services for Virtual Psychiatric Interviews," **JMIR Mental Health**, vol. 10, 2023, 10:e48517.

25. Yang, K., Lau, R.Y.K., and Abbasi, A. "Getting Personal: A Deep Learning Artifact for Text-based Measurement of Personality," **Information Systems Research**, 34(1), 2023, 194-222.

26. Ahmad, F., Abbasi, A., Kitchens, B., Adjeroh, D., and Zeng, D. "Deep Learning for Adverse Event Detection from Web Search," **IEEE Transactions on Knowledge and Data Engineering**, 34(6), 2022, pp. 2681-2695.

27. Abbasi, A., Dobolyi, D., Vance, T., and Zahedi, F. M. "The Phishing Funnel Model: A Design Artifact to Predict User Susceptibility to Phishing Websites," **Information Systems Research**, 32(2), 2021, pp. 410-436 (INFORMS ISR Best Paper Award for 2021).

28. Chen, Y., Zahedi, F. M., Abbasi, A., and Dobolyi, D. "Trust Calibration of Security IT Artifacts: A Multi-Domain Study of Phishing-Website Detection Tools," **Information and Management**, 58(1), 2021, 103394.

29. Li, J., Larsen, K., and Abbasi, A. "TheoryOn: A Design Framework and System for Unlocking Behavioral Knowledge through Ontology Learning," **MIS Quarterly**, 44(4), 2020, pp. 1733-1772.

30. Li, J., Abbasi, A., Cheema, A., and Abraham, L. "Path to Purpose? How Online Customer Journeys Differ for Hedonic versus Utilitarian Purchases," **Journal of Marketing**, 84(4), 2020, pp. 127-146 (AMA Finalist for the 2021 Hunt-Maynard Award).

31. Ahmad, F., Abbasi, A., Li, J., Dobolyi, D., Netemeyer, R., Clifford, G., and Chen, H. "A Deep Learning Architecture for Psychometric Natural Language Processing," **ACM Transactions on Information Systems**, 38(1), 2020, no. 6.

32. Netemeyer, R., Dobolyi, D., Abbasi, A., Clifford, G., and Taylor, H. "Health Literacy, Health Numeracy and Trust in Doctor: Effects on Key Consumer Health Outcomes," **Journal of Consumer Affairs**, 54(1), 2020, pp. 3-42.

33. Abbasi, A., Li, J., Adjeroh, D., Abate, M., and Zheng W. "Don't Mention It? Analyzing User-generated Content Signals for Early Adverse Event Warnings," **Information Systems Research**, 30(3), 2019, pp. 1007-1028.

34. Abbasi, A., Kitchens, B., and Ahmad, F. "The Risks of AutoML and How to Avoid Them," **Harvard Business Review**, October 24, 2019, digital article: https://hbr.org/2019/10/the-risks-of-automl-and-how-to-avoid-them

35. Deng, S., Zhang, P., Zhou, Y., and Abbasi, A. "Using Discussion Logic in Analyzing Online Group Discussions: A Text Mining Approach," **Information and Management**, 56(4), 2019, pp. 536-551.

36. Abbasi, A., Li, J., Clifford, G. D., and Taylor, H. A, "Make 'Fairness by Design' Part of Machine Learning," **Harvard Business Review**, August 5, 2018, digital article: https://hbr.org/2018/08/make-fairness-by-design-part-of-machine-learning

37. Kitchens, B., Dobolyi, D., Li, J., and Abbasi, A. "Advanced Customer Analytics: Strategic Value through Integration of Relationship-Oriented Big Data," **Journal of Management Information Systems**, 35(2), 2018, pp. 540-574.

38. Abbasi, A. Zhou, Y., Deng, S., and Zhang, P. "Text Analytics to Support Sense-making in Social Media: A Language-Action Perspective," **MIS Quarterly**, 42(2), 2018, pp. 427-464.

39. Zimbra, D., Abbasi, A., Zeng, D., and Chen, H. "The State-of-the-Art in Twitter Sentiment Analysis: A Review and Benchmark Evaluation," **ACM Transactions on MIS**, 9(2), 2018, no. 5.

40. Taylor, H. A., Henderson, F., Abbasi, A., and Clifford, G. D., "Cardiovascular Disease in African Americans: Innovative Community Engagement for Research Recruitment and Impact," **American Journal of Kidney Diseases**, 72(5)(Supp 1), 2018, S43-S46, Impact Factor: 7.129.

41. Adjeroh, D., Allaga, M., Tan, J., Lin, J., Jiang, Y., Abbasi, A., and Zhou, X. "Feature-Based and String-Based Models for Predicting RNA-Protein Interaction," **Molecules**, 23(3), 2018, 697, Impact Factor: 3.098.

42. Abbasi, A., Sarker, S., and Chiang, R. H. L. "Big Data Research in Information Systems: Toward an Inclusive Research Agenda," **Journal of the Association for Information Systems**, 17(2), no. 3, 2016.

43. Zahedi, F. M., Abbasi, A., and Chen, Y. "Fake-Website Detection Tools: Identifying Design Elements that Promote Individuals' Use and Enhance their Performance," **Journal of the Association for Information Systems**, 16(6), 2015, pp. 448-484.
44. Abbasi, A., Zahedi, F. M., Zeng, D., Chen, Y., Chen, H., and Nunamaker Jr., J. F. "Enhancing Predictive Analytics for Anti-Phishing by Exploiting Website Genre Information," **Journal of Management Information Systems**, 31(4), 2015, pp. 109-157.
45. Abbasi, A., Lau, R. Y. K., and Brown, D. E. "Predicting Behavior," **IEEE Intelligent Systems**, 30(3), 2015, pp. 35-43.
46. Brown, D. E., Abbasi, A., and Lau, R. Y. K., "Predictive Analytics: Predictive Modeling at the Micro Level," **IEEE Intelligent Systems**, 30(3), 2015, pp. 6-8.
47. Brown, D. E., Abbasi, A., and Lau, R. Y. K., "Predictive Analytics," **IEEE Intelligent Systems**, 30(2), 2015, pp. 6-8.
48. Abbasi, A. and Adjeroh, D. "Social Media Analytics for Smart Health," **IEEE Intelligent Systems**, 29(2), 2014, pp. 60-64.
49. Adjeroh, D., Beal, R., Abbasi, A., Zheng, W., Abate, M., and Ross, A. "Signal Fusion for Social Media Analysis of Adverse Drug Events," **IEEE Intelligent Systems**, 29(2), 2014, pp. 74-80.
50. Benjamin, V., Chung, W., Abbasi, A., Chuang, J., Larson, C. A., and Chen, H. "Evaluating Text Visualization for Authorship Analysis," **Security Informatics**, 3(10), 2014.
51. Zhang, Z., Zeng, D., Abbasi, A., Peng, J., and Zheng, X. "A Random Walk Model for Item Recommendation in Social Tagging Systems," **ACM Transactions on MIS**, 4(2), 2013, no. 8.
52. Abbasi, A., Albrecht, C. C., Vance, A., and Hansen, J. V. "MetaFraud: A Meta-learning Framework for Detecting Financial Fraud," **MIS Quarterly**, 36(4), 2012, pp. 1293–1327.
53. Fu, T., Abbasi, A., Zeng, D., and Chen, H. "Sentimental Spidering: Leveraging Opinion Information in Focused Crawlers," **ACM Transactions on Information Systems**, 30(4), 2012, no. 24.
54. Abbasi, A., Zahedi, F. M., and Kaza, S. "Detecting Fake Medical Web Sites using Recursive Trust Labeling," **ACM Transactions on Information Systems**, 30(4), 2012, no. 22.
55. Abbasi, A., France, S. L., Zhang, Z., and Chen, H. "Selecting Attributes for Sentiment Classification using Feature Relation Networks," **IEEE Transactions on Knowledge and Data Engineering**, 23(3), 2011, pp. 447-462.
56. Zimbra, D., Abbasi, A., and Chen, H. "A Cyber-Archaeology Approach to Social Movement Research: Framework and Case Study," **Journal of Computer-Mediated Communication**, 16, 2010, pp. 48-70.
57. Abbasi, A. "Intelligent Feature Selection for Opinion Classification," **IEEE Intelligent Systems**, 25(4), 2010, pp. 75-79.
58. Abbasi, A., Zhang, Z., Zimbra, D., Chen, H., and Nunamaker Jr., J. F. "Detecting Fake Websites: The Contribution of Statistical Learning Theory," **MIS Quarterly**, 34(3), 2010, pp. 435-461 (MISQ Best Paper Award for 2010, AIS Best Publication Award for 2010).
59. Fu, T., Abbasi, A., and Chen, H. "A Focused Crawler for Dark Web Forums," **Journal of the American Society for Information Science and Technology**, 61(6), 2010, pp. 1213-1231.
60. Chen, Y. Abbasi, A., and Chen, H. "Framing Social Movement Identity with Cyber-Artifacts: A Case Study of the International Falun Gong Movement," **Annals of Information Systems**, 9, 2010, pp. 1-24.

61. Abbasi, A. and Chen, H. "A Comparison of Tools for Detecting Fake Websites," **IEEE Computer**, 42(10), 2009, pp. 78-86.

62. Abbasi, A. and Chen, H. "A Comparison of Fraud Cues and Classification Methods for Fake Escrow Website Detection," **Information Technology and Management**, 10(2), 2009, pp. 83-101.

63. Abbasi, A., and Chen, H. "CyberGate: A Design Framework and System for Text Analysis of Computer Mediated Communication," **MIS Quarterly**, 32(4), 2008, pp. 811-837.

64. Abbasi, A., Chen, H., Thoms, S., and Fu, T. "Affect Analysis of Web Forums and Blogs using Correlation Ensembles," **IEEE Transactions on Knowledge and Data Engineering**, 20(9), 2008, pp. 1168-1180.

65. Abbasi, A., Chen, H., and Nunamaker Jr., J. F. "Stylometric Identification in Electronic Markets: Scalability and Robustness," **Journal of Management Information Systems**, 25(1), 2008, pp. 49-78.

66. Abbasi, A., Chen, H., and Salem, A. "Sentiment Analysis in Multiple Languages: Feature Selection for Opinion Classification in Web Forums," **ACM Transactions on Information Systems**, 26(3), 2008, no. 12.

67. Fu, T., Abbasi, A., and Chen, H. "A Hybrid Approach to Web Forum Interactional Coherence Analysis," **Journal of the American Society for Information Science and Technology**, 59(8), 2008, pp. 1195-1209.

68. Abbasi, A., and Chen, H. "Writeprints: A Stylometric Approach to Identity-Level Identification and Similarity Detection in Cyberspace," **ACM Transactions on Information Systems**, 26(2), 2008, no. 7.

69. Abbasi, A., and Chen, H. "Applying Authorship Analysis to Extremist-Group Web Forum Messages," **IEEE Intelligent Systems**, 20(5), 2005, pp. 67-75.

CONFERENCE PROCEEDINGS

1. Sanatizadeh, A., Fatemi, S., Mousavi, R., and Abbasi, A. "Generalization or Memorization? Multi-Agent vs. Baseline LLMs and AutoML Models for Tabular Classification," In **Findings of the Association for Computational Linguistics (ACL Findings),** San Diego, July 2026.

2. Ademaj, G., Zhang, X., Abbasi, A., Sarker, S., and Sarker, S. "Designing Support for Sensemaking in Multimodal, Multi-model Mental Health Assessments," **In the 46th AIS International Conference on Information Systems (ICIS)**, Nashville, December 14-17, 2025.

3. Oketch, K., Lalor, J. P., and Abbasi, A. "Cultural Artifacts, Tribal Heterogeneity, and Language Models," **In the 46th AIS International Conference on Information Systems (ICIS)**, Nashville, December 14-17, 2025.

4. Zhang, X., Cai, J., Li, J., and Abbasi, A. "Empirical Bayes Tensor Decomposition: A Holistic and Interpretable Representation of Digital Trace Patterns," **In the 46th AIS International Conference on Information Systems (ICIS)**, Nashville, December 14-17, 2025.

5. Wang, R., Liu, J., Qian, C., Shen, Y., Pan, Y., Xu, Z., Abbasi, A., Ji, H., and Zhang, D. "Rescorla-Wagner Steering of LLMs for Undesired Behaviors over Disproportionate Inappropriate Context," **In the 30th Conference on Empirical Methods in Natural Language Processing (EMNLP)**, Suzhou, November 4-9, 2025.

6. Lalor, J. P., Qin, R., Dobolyi, D., and Abbasi, A. "Textagon: Boosting Language Models with Theory-guided Parallel Representations," In the **63rd Annual Meeting of the Association for Computational Linguistics (ACL)**, Vienna, July 27 – August 1, 2025.

7. Chen, S., Lalor, J. P., Yang, Y., and Abbasi, A. "PersonaTwin: A Multi-Tier Prompt Conditioning Framework for Generating and Evaluating Personalized Digital Twins," In **Proceedings of the 4th GEM Workshop: Generation, Evaluation & Metrics (GEM @ ACL)**, Vienna, August 2025.
8. Oketch, Y., Lalor, J. P., Yang, Y., and Abbasi, A. "Bridging the LLM Accessibility Divide? Performance, Fairness, and Cost of Closed versus Open LLMs for Automated Essay Scoring," In **Proceedings of the 4th GEM Workshop: Generation, Evaluation & Metrics (GEM @ ACL)**, Vienna, August 2025.
9. Ahmad, F., Yang, Y, and Abbasi, A. "Cost-Sensitive User Modeling for Predicting Phishing Susceptibility," **In the IEEE International Conference on Intelligence and Security Informatics (IEEE ISI)**, July 2025.
10. Cook, R., Lalor, J. P., and Abbasi, A. "No Simple Answer to Data Complexity: An Examination of Instance-Level Complexity Metrics for Classification Tasks" In the **Annual Meeting of the North American Association for Computational Linguistics (NAACL)**, Albuquerque, May 2025.
11. Yang, Y., Duan, H., Abbasi, A., Lalor, J. P., and Tam, K. Y. "Bias A-head? Analyzing Bias in Transformer-Based Language Model Attention Heads," In **Proceedings of the 5th Workshop on Trustworthy Natural Language Processing (TrustNLP @ NAACL)**, April 2025.
12. Prat, N., Lalor, J. P., and Abbasi, A. "GALEA – Leveraging Generative Agents in Artifact Evaluation," **In the 20th International Conference on Design Science Research in Information Systems and Technology (DESRIST)**, Montego Bay, Jamaica, June 2025.
13. Duan, H., Yang, Y., Abbasi, A., and Tam, K. Y. "Exploring the Relationship between In-Context Learning and Instruction Tuning" In **Findings of the Empirical Methods in Natural Language Processing (EMNLP Findings)**, Miami, December 2024.
14. Qin, R., Yan, Z., Zeng, D., Jia, Z., Liu, D., Liu, J., Abbasi, A., Zheng, Z., Cao, N., Ni, K., Xiong, J., and Shi, Y. "Robust Implementation of Retrieval-Augmented Generation on Edge-based Computing-in-Memory Architectures," **In the IEEE International Conference on Computer-Aided Design (ICCAD)**, New Jersey, October 2024.
15. Qin, R., Xia, J., Jia, Z., Jiang, M., Abbasi, A., Zhou, P., Hu, J. and Shi, Y. "Enabling On-Device Large Language Model Personalization with Self-Supervised Data Selection and Synthesis," In the **ACM/IEEE Design Automation Conference (DAC)**, San Francisco, June 2024.
16. Qin, R., Hu, Y., Yan, Z., Xiong, J., Abbasi, A., and Shi, Y. "FL-NAS: Towards Fairness of NAS for Resource Constrained Devices via Large Language Models," In the **IEEE Asia and South Pacific Design Automation Conference (ASP-DAC)**, Incheon, South Korea, January 2024.
17. Duan, H., Yang, Y., Abbasi, A., and Tam, K. Y. "BARLE: Background-Aware Representation Learning for Background Shift Out-of-Distribution Detection" In **Findings of the Empirical Methods in Natural Language Processing (EMNLP Findings)**, Abu Dhabi, UAE, December 2022.
18. Lalor, J. P., Yang, Y., Smith, K., Forsgren, N., and Abbasi, A. "Benchmarking Intersectional Biases in NLP," In the **Annual Meeting of the North American Association for Computational Linguistics (NAACL)**, July, 2022.
19. Guo, Y., Yang, Y., and Abbasi, A. "Auto-Debias: Debiasing Masked Language Models with Automated Biased Prompts," In the **60th Annual Meeting of the Association for Computational Linguistics (ACL)**, May 22-27, 2022.
20. Berente, N., Lalor, J., Somanchi, S., and Abbasi, A. "The Illusion of Certainty and Data-Driven Decision Making in Emergent Situations," In the **42nd AIS International Conference on Information Systems (ICIS)**, Austin. Texas, December 7-11, 2021.

21. Islam, S., Abbasi, A., Agrawal, N., Zheng, W., Doretto, G., and Adjeroh, D. "Detecting Drug-Drug Interactions using Protein Sequence-Structure Similarity Networks," In the **IEEE BIBM International Workshop on Deep Learning in Bioinformatics, Biomedicine, and Healthcare Informatics**, December 9-12, 2021.
22. Abbasi, A., Dobolyi, D. G., Lalor, J., Netemeyer, R. N., Smith, K., and Yang, Y. "Constructing a Psychometric Testbed for Fair Natural Language Processing," In the **Conference on Empirical Methods in Natural Language Processing (EMNLP)**, Punta Cana, Dominican Republic, November 7-11, 2021.
23. Mahmood, S. H. A. and Abbasi, A. "Using Deep Generative Models to Boost Forecasting: A Phishing Prediction Case Study," In the **IEEE International Conference on Data Mining (ICDM) Workshops**, Sorrento, Italy, November 17-20, 2020.
24. Mahmood, S. H. A., Ali, S. M., and Abbasi, A. "Phishcasting: Deep Learning for Time Series Forecasting of Phishing Attacks," In the **IEEE International Conference on Intelligence and Security Informatics (IEEE ISI)**, Virtual Conference, November 9-10, 2020.
25. Dobolyi, D. G., Abbasi, A., Zahedi, F. M., and Vance, A. "An Ordinal Approach to Modeling and Visualizing Phishing Susceptibility," **In the IEEE International Conference on Intelligence and Security Informatics (IEEE ISI)**, Virtual Conference, November 9-10, 2020.
26. Kitchens, B., Abbasi, A., and Claggett, J. "Beating the Clock with MedCrawl: A Social Listening Platform for Health 2.0," **In the INFORMS Workshop on Data Science**, Washington D.C., November 7-8, 2020.
27. Abbasi, A., Claggett, J., Kitchens, B., and Chen, H. "MedCrawl: Improving Public Health Outcomes through Effective and Efficient Social Listening," In the 10th **Conference on Health IT and Analytics**, Washington D.C., November 15-16, 2019
28. Khaja, H. I., Abate, M., Zheng, W., Abbasi, A., and Adjeroh, D. "Evaluating Semantic Similarity for Adverse Drug Event Narratives," In the 11th **International Conference on Social Computing, Behavioral-Cultural Modeling, and Prediction (SBP)**, Washington D.C., 2018.
29. Li, J., Abbasi, A., Ahmad, F., and Chen, H. "Deep Learning for Psychometric NLP," In the 28th **Workshop on Information Technologies and Systems (WITS)**, Santa Clara, CA, December 15-16, 2018.
30. Ahmad, F., Abbasi, A., Kitchens, B., and Zeng, D. "Finding Needles in a Haystack: Deep Learning for Rare Adverse Event Detection," In the **INFORMS Workshop on Data Science**, Phoenix, AZ, November 3, 2018.
31. Li, J., Abbasi, A., Ahmad, F., and Chen, H. "PyNDA: Deep Learning for Psychometric Natural Language Processing," In the **INFORMS Workshop on Data Science**, Phoenix, AZ, November 3, 2018 (**Best Paper Nominee**).
32. Tremblay, M. C., Kohli, R., Forsgren, N., Grover, V., Abbasi, A., Hevner, A., and Rapaport, R. "Will Artificial Intelligence Automate Theory Building? Are there Lessons for Academia from Practice?," In the 39th **International Conference on Information Systems**, San Francisco, CA, December 13-16, 2018.
33. Dobolyi, D., Abbasi, A., Zahedi, M. Z., and Vance, T. "The Phishing Funnel Model for Predicting User Susceptibility to Phishing Websites," In the **INFORMS Workshop on Data Science**, Houston, TX, October 21, 2017.
34. Li, J., Larsen, K., and Abbasi, A. "Unlocking our Behavioral Knowledge Inheritance through Ontology Learning: A Design Framework, an Instantiation, and a Randomized Experiment," In the **INFORMS Workshop on Data Science**, Houston, TX, October 21, 2017.

35. Adjeroh, D., Allaga, M., Tun, J., Lin, J., Jiang, Y., Abbasi, A., and Zhou, X. "String-Based Models for Predicting RNA-Protein Interaction," In the **ACM Conference on Bioinformatics, Computational Biology and Health Informatics**, Boston, MA, August 20-23, 2017.
36. Abbasi, A., Dobolyi, D., Zahedi, M. Z., and Vance, T. "The Phishing Funnel Model: Predicting User Susceptibility to Phishing Attacks," In the 13th **Annual Winter Conference on Business Analytics**, Salt Lake City, UT, March 2-4, 2017.
37. Li, J., Abbasi, A., Cheema, A., and Abraham, L. "Path to Purpose? Impact of Online Purchases' Hedonic and Utilitarian Characteristics on the Customer Journey," In the 26th **Workshop on Information Technologies and Systems (WITS)**, Dublin, Ireland, December 15-16, 2016.
38. Li, J., Larsen, K., and Abbasi, A. "Unlocking Knowledge Inheritance of Behavioral Research through Ontology Learning: An Ontology-Based Search Engine," In the 26th **Workshop on Information Technologies and Systems (WITS)**, Dublin, Ireland, December 15-16, 2016 (**Best Prototype Award**).
39. Dobolyi, D. and Abbasi, A. "PhishMonger: A Free and Open Source Public Archive of Real-World Phishing Websites," In the 14th **IEEE International Conference on Intelligence and Security Informatics (IEEE ISI)**, Tucson, Arizona, Sept. 27-30, 2016.
40. Abbasi, A., and Zahedi, F. M. "Phishing Susceptibility: The Good, the Bad, and the Ugly," In the 14th **IEEE International Conference on Intelligence and Security Informatics (IEEE ISI)**, Tucson, Arizona, Sept. 27-30, 2016.
41. Abbasi, A., Zhao, K., and Abraham, B. "A Prototype System for Collecting and Analyzing Credible Online Medical Content," In the 11th **International Conference on Design Science Research in Information Systems and Technology (DESRIST)**, St. John's, Canada, May 23-24, 2016.
42. Li, J., Larsen, K., and Abbasi, A. "TheoryOn: Designing a Construct-based Search Engine to Reduce Information Overload for Behavioral Science Research," In the 11th **International Conference on Design Science Research in Information Systems and Technology (DESRIST)**, St. John's, Canada, May 23-24, 2016.
43. Abbasi, A., Li, J., Abbasi, S., Adjeroh, D., Abate, M., Zheng, W. "Don't Mention It? Analyzing User-generated Content Signals for Early Adverse Drug Event Warnings," In the 25th **Workshop on Information Technologies and Systems (WITS)**, Dallas, Texas, December 12-13, 2015 (**Best Paper Award**).
44. Sharif, H., Ismail, S., Farooqi, S., Khan, M. T., Gulzar, M. A., Lakhani, H., Zaffar, F. and Abbasi, A. "A Classification Based Framework to Predict Viral Threads," In the 19th **Pacific Asia Conference on Information Systems (PACIS)**, Singapore, July 5-9, 2015.
45. Abbasi, A., Li, W., Benjamin, V., Hu, S., and Chen, H. "Descriptive Analytics: Examining Expert Hackers in Web Forums," In the **IEEE Joint Intelligence and Security Informatics Conference (IEEE ISI)**, The Hague, Netherlands, September 24-26, 2014.
46. Sharif, H., Zaffar, F., Abbasi, A., and Zimbra, D. "Detecting Adverse Drug Reactions using a Sentiment Classification Framework," In the 6th **ASE Conference on Social Computing**, Stanford, May 26-30, 2014.
47. Li, W., Abbasi, A., Hu, S., Benjamin, V., and Chen, H. "Modeling Interactions in Web Forums," In the 6th **ASE Conference on Social Computing (SocialCom)**, Stanford, May 26-30, 2014.
48. Abbasi, A., Hassan, A., and Dhar, M. "Benchmarking Twitter Sentiment Analysis Tools," In the 9th **Language Resources and Evaluation Conference (LREC)**, Reykjavik, Iceland, May 26-31, 2014.

49. Abbasi, A., Fu, T., Zeng, D., and Adjeroh, D. "Crawling Credible Online Medical Sentiments for Social Intelligence," In the **ASE/IEEE International Conference on Social Computing (SocialCom)**, Washington D.C., September 8-14, 2013.
50. Hassan, A., Abbasi, A., and Zeng, D. "Twitter Sentiment Analysis: A Bootstrap Ensemble Framework," In the **ASE/IEEE International Conference on Social Computing (SocialCom)**, Washington D.C., September 8-14, 2013.
51. Beal, R., Adjeroh, D., and Abbasi, A. "The Forward Stem Matrix," In the **ACM Conference on Bioinformatics, Computational Biology and Biomedical Informatics**, Washington D.C., September 22-25, 2013.
52. Benjamin, V., Chung, W., Abbasi, A., Chuang, J., Larson, C., and Chen, H. "Evaluating Text Visualization: An Experiment in Authorship Analysis," In the 11th **IEEE International Conference on Intelligence and Security Informatics (IEEE ISI)**, Seattle, Washington, June 4-7, 2013 (**Best Paper Nominee**).
53. Abbasi, A., Zahedi, F. M., and Chen, Y. "Impact of Anti-Phishing Tool Performance on Attack Success Rates," In the 10th **IEEE International Conference on Intelligence and Security Informatics (IEEE ISI)**, Washington D.C., June 11-14, 2012.
54. Koepke, J., Kaza, S., and Abbasi, A. "Identification of Malicious and Fake Websites: Using Information from the Transport and Internet Layers of the Network Stack," In the 10th **IEEE International Conference on Intelligence and Security Informatics (IEEE ISI)**, Washington D.C., June 11-14, 2012.
55. France, S. and Abbasi, A. "Boosting Unsupervised Additive Clustering Using Cluster-Wise Optimization and Multi-Label Learning," In the 11th **IEEE International Conference on Data Mining Workshops (ICDM)**, Vancouver, Canada, December 11, 2011.
56. Zhang, Z., Zeng, D., Abbasi, A., and Peng, J. "A Random Walk Model for Item Recommendation in Folksonomies," In the 21st **Workshop on Information Technologies and Systems (WITS)**, Shanghai, China, December 3-4, 2011.
57. Zahedi, F. M., Abbasi, A., and Chen, Y. "Design Elements that Promote the use of Fake Website Detection Tools," In the 10th **AIS SIG-HCI Workshop**, Shanghai, China, December 4, 2011 (**Best Paper Nominee**).
58. Zahedi, F. M., Abbasi, A., and Chen, Y. "Trust Calibration of Security IT Artifacts: The Case of Fake Website Detection Tools," In the **Workshop on Information Security and Privacy (WISP)**, Shanghai, China, December 4, 2011.
59. Chen, Y., Zahedi, F. M., and Abbasi, A. "Interface Design Elements for Anti-Phishing Systems," In the 6th **International Conference on Design Science Research in Information Systems and Technology (DESRIST)**, Milwaukee, Wisconsin, May 5-6, 2011 (**Best Paper Nominee**).
60. Abbasi, A. "Leveraging Website Genre and Structure Information for Fake Website Detection," In the 20th **Workshop on Information Technologies and Systems (WITS)**, St. Louis, Missouri, December 11-12, 2010 (**Best Paper Award**).
61. Fu, T., Abbasi, A., Zeng, D., and Chen, H. "Evaluating the Usefulness of Sentiment Information for Focused Crawlers," In the 20th **Workshop on Information Technologies and Systems (WITS)**, St. Louis, Missouri, December 11-12, 2010.
62. Abbasi, A., Kaza, S., and Zahedi, F. M. "Evaluating Link-Based Techniques for Detecting Fake Pharmacy Websites," In the 19th **Workshop on Information Technologies and Systems (WITS)**, Phoenix, Arizona, December 14-15, 2009.

63. Abbasi, A., Zhang, Z., and Chen, H. "A Statistical Learning Based System for Fake Website Detection," In the **Workshop on Secure Knowledge Management**, Dallas, Texas, November 3-4, 2008.

64. Chen, Y., Abbasi, A., and Chen, H. "Developing Ideological Networks using Social Network Analysis and Writeprints: A Case Study of the International Falun Gong Movement," In the 6th **IEEE International Conference on Intelligence and Security Informatics (IEEE ISI)**, Taiwan, June 17-20, 2008, pp. 7-12.

65. Abbasi, A. and Chen, H. "Detecting Fake Escrow Websites using Rich Fraud Cues and Kernel Based Methods," In the 17th **Workshop on Information Technologies and Systems (WITS)**, Montreal, Canada, December 8-9, 2007, pp. 55-60.

66. Abbasi, A. and Chen, H. "A Framework for Stylometric Similarity Detection in Online Settings," In the 13th **Americas Conference on Information Systems (AMCIS)**, Keystone, Colorado, August 9-12, 2007.

67. Abbasi, A. and Chen, H. "Categorization and Analysis of Text in Computer Mediated Communication Archives using Visualization," In the **ACM/IEEE Joint Conference on Digital Libraries (JCDL)**, Vancouver, Canada, June 18-23, 2007, pp. 11-18.

68. Abbasi, A. and Chen, H. "Affect Intensity Analysis of Dark Web Forums," In the 5th **IEEE International Conference on Intelligence and Security Informatics (IEEE ISI)**, New Brunswick, New Jersey, May 23-24, 2007, pp. 282-288.

69. Fu, T., Abbasi, A. and Chen, H. "Interaction Coherence Analysis for Dark Web Forums," In the 5th **IEEE International Conference on Intelligence and Security Informatics (IEEE ISI)**, New Brunswick, New Jersey, May 23-24, 2007, pp. 342-349.

70. Abbasi, A. and Chen, H. "Visualizing Authorship for Identification," In the 4th **IEEE International Conference on Intelligence and Security Informatics (IEEE ISI)**, San Diego, California, May 23-24, 2006, pp. 60-71.

71. Abbasi, A. and Chen, H. "Applying Authorship Analysis to Arabic Web Content," In the 3rd **IEEE International Conference on Intelligence and Security Informatics (IEEE ISI)**, Atlanta, Georgia, May 18-19, 2005, pp. 183-197.

BOOK CHAPTERS, CASES, and WHITE PAPERS

1. Shim, Y., Abbasi, A., Devarkonda, C., Reilly, T., and Kirzhner, R. "How do you Steer the Business when AI is Running the Ship?" *EY Point-of-View White Paper*, 2019, pp. 1-11.

2. Mallikarjun, S., and Abbasi, A. "CFA Curriculum Level II Reading: Big Data Projects," *CFA Institute Level 2 Reading*, 2019, pp. 1-80.

3. Ipsos Public Affairs and McIntire Center for Business Analytics "The Automation Divide," *Ipsos Point-of-View White Paper*, 2017, pp. 1-8.

4. Burhop, D., Carr, P., and Abbasi, A. "Case Study – Commonwealth of Virginia Department of Motor Vehicles Data Quality Analysis," *McIntire CBA Case*, 2016, pp. 1-29.

5. Abbasi, A. and Chen, H. "Analysis of Affect Intensities in Extremist Group Forums," *Terrorism Informatics*, 2008, pp. 285-307, Springer US.

INVITED TALKS, PANELS, AND PRESENTATIONS

1. "Cultural Artifacts, Tribal Heterogeneity, and Language Models", ISOM Research Seminar, **Emory University**, January 16, 2026.
2. "Technology, Design, and Information Systems", Panel, **AIS SIG TECH**, Nashville, December 17, 2025.
3. "From Lexicons to Large Language Models: A Holistic Evaluation of Psychometric Text Analysis in Social Science Research," Invited Seminar, **Saudi AIS**, November 12, 2025.
4. "From Lexicons to Large Language Models: A Holistic Evaluation of Psychometric Text Analysis in Social Science Research," Invited Seminar, **AIS SIG DITE**, September 4, 2025.
5. "Predicting Engagement in Human-Robot Teams," Lighting Presentations, **AOM CTO PDW** on AI-Human Collaboration, Copenhagen, July 27, 2025.
6. "From Policy to Practice: Research Directions for Trustworthy and Responsible AI 'By Design,'" Keynote, **AOM CTO PDW** on Design Research on Artificial Intelligence, Copenhagen, July 26, 2025.
7. "From Lexicons to Large Language Models: A Holistic Evaluation of Psychometric Text Analysis in Social Science Research," DOIT IS Seminar Series, Smith School of Business, **University of Maryland**, April 25, 2025.
8. "From Lexicons to Large Language Models: Advancements in How We Analyze and Represent Unstructured Textual Data," **AI in Business Education Summit**, Raymond A. Mason School of Business, **College of William and Mary**, April 4, 2025.
9. "From Lexicons to Large Language Models: A Holistic Evaluation of Psychometric Text Analysis in Social Science Research," ISTM Research Seminar, School of Business, **George Washington University**, April 3, 2025.
10. "From Lexicons to Large Language Models: A Holistic Evaluation of Psychometric Text Analysis in Social Science Research," ISOM Research Seminar, Foster School of Business, **University of Washington**, March 7, 2025.
11. "From Policy to Practice: Research Directions for 'Responsible AI By Design'," WITS Plenary Session, **Workshop on Information Technologies and Systems (WITS 2024)**, December 19,2024.
12. "The Critical Challenge of Using Large-scale Digital Experiment Platforms for Scientific Discovery," ITM Research Seminar, Scheller College of Business, **Georgia Tech**, November 15, 2024.
13. "Data Science Research in an AI-Enabled World," Invited Keynote, **INFORMS Workshop on Data Science**, October 19, 2024.
14. "The Critical Challenge of Using Large-scale Digital Experiment Platforms for Scientific Discovery," Invited Elite Speaker Seminar Series, Department of ISBA, **Iowa State University**, September 13, 2024.
15. "The Critical Challenge of Using Large-scale Digital Experiment Platforms for Scientific Discovery," Invited IS Research Seminar, Department of ISOM, **HKUST**, July 9, 2024.
16. "Neural Architecture Search and Generative Pre-trained Models," Invited Seminar, Department of Computer Science, **Columbia University**, June 23, 2024.

17. "A Journey Towards Human-centered AI," University Chair Public Lecture, Mendoza College of Business, **University of Notre Dame**, May 1, 2024.

18. "AI Use in Business Research," Biz AI Conference, Naveen Jindal School of Management, **University of Texas at Dallas**, March 30, 2024.

19. "How has Generative AI Affected Education, Research, and Practice," Eller MIS 50th Anniversary Conference, Eller College of Management, **University of Arizona**, March 22, 2024.

20. "The Challenge of Using Large-scale Digital Experiment Platforms for Scientific Discovery," ISOM Research Workshop, Warrington College of Business, **University of Florida**, February 23, 2024.

21. "The Challenge of Using Large-scale Digital Experiment Platforms for Scientific Discovery," MIS Research Seminar, Daniels School of Business, **Purdue University**, February 16, 2024.

22. "AI for Social Good," Ten Years Hence Lecture, Mendoza College of Business, **University of Notre Dame**, February 9, 2024.

23. "The Challenge of Using Large-scale Digital Experiment Platforms for Scientific Discovery," Research Seminar Presentation, AI Lab and Eller College of Management, **University of Arizona**, January 26, 2024.

24. "Using Deep Learning to Model and Forecast Water Temperature," Invited Speaker Series, Fu Foundation School of Engineering and Applied Science, **Columbia University**, December 15, 2023.

25. "The Challenge of Using Large-scale Digital Experiment Platforms for Scientific Discovery," Research Seminar Presentation, Questrom School of Business, **Boston University**, December 1, 2023.

26. "The Relation Between Supervised Pre-training and In-context Reinforcement Learning," Invited Research Seminar, Department of Industrial Engineering and Operations Research, **Columbia University**, June 28, 2023.

27. "The Challenges of Using Large-scale Digital Experiment Platforms for Scientific Discovery," *WSB Analytics Seminar Series*, Wisconsin School of Business, **University of Wisconsin-Madison**, April 7, 2023.

28. "Should Fairness be a Metric or a Model? A Case for Using Model-based Frameworks to Assess Bias in Machine Learning," University of Florida NSF Workshop on AI Governance, **University of Florida**, Jacksonville, February 6-7, 2023.

29. "A Deep Learning Artifact for Text-based Measurement of Personality" *FoRMLA Seminar Series*, Leeds School of Business, **University of Colorado at Boulder**, January 27, 2023.

30. "The Science of Design," EUGLOH Workshop on Positive Technology for Health and Sustainability, **ITU Copenhagen**, Denmark, December 10, 2022.

31. "The Challenges of Using Large-scale Digital Experiment Platforms for Scientific Discovery," Research Seminar Presentation, Department of Informatics, **Lund University**, Sweden, December 9, 2022.

32. "The Challenges of Using Large-scale Digital Experiment Platforms for Scientific Discovery," Research Seminar Presentation, Gies College of Business, **University of Illinois at Urbana-Champaign**, October 7, 2022.

33. "The Challenges of Using Large-scale Digital Experiment Platforms for Scientific Discovery," Computational Research Workshop, xLab, Weatherhead School of Management, **Case Western Reserve University**, October 3, 2022.

34. "User and Session Heterogeneity in Large-scale Digital Experiments – Implications for Research and Practice," Research Seminar Presentation, Kelley School of Business, **Indiana University**, March 4, 2022.

35. "Examining User Heterogeneity in Digital Experiments," Invited Research Talk, **eBay**, February 15, 2022.

36. "Examining the Interplay Between Algorithmic and Psychological Perspectives on Facial Recognition," *Research Seminar Presentation*, W.P. Carey School of Business, **Arizona State University,** November 5, 2021.

37. "Predictive Analytics: From Possible and Practical to Valuable," **Society for Information Management – Advanced Practices Council (SIM APC)**, October 5, 2021.

38. "Developing a Research Program in Human-centered AI," *Invited Keynote*, **AI & Analytics Symposium**, University of Wisconsin-Milwaukee, May 14, 2021.

39. "Getting Personal: A Deep Learning Artifact for Text-based Measurement of Leaders' Personalities" *IDS Department Research Seminar*, College of Business, **University of Illinois at Chicago**, April 23, 2021.

40. "Examining the Interplay Between Algorithmic and Psychological Perspectives on Facial Recognition," *ISOM Research Seminar*, School of Business, **George Mason University**, November 20, 2020.

41. "Examining the Interplay Between Algorithmic and Psychological Perspectives on Facial Recognition," *Research Seminar Series*, Tepper School of Business, **Carnegie Mellon University**, October 30, 2020.

42. "Developing a Research Program in Human-centered AI," *Invited Keynote*, **AI Symposium**, Memorial University of Newfoundland, October 2, 2020.

43. "A Deep Learning Architecture for Psychometric Natural Language Processing," **In the 43rd International ACM SIGIR Conference on Research and Development in Information Retrieval**, virtual conference, July 28, 2020.

44. "A Tale of Two NLP and AI Projects," *Invited Lecture*, Lindner School of Business, **University of Cincinnati**, March 31, 2020.

45. "The Pendulum has Swung: From Big Data Hubris to AI Hubris," *Invited Talk for Panel on Business Analytics*, **Workshop on Information Technologies and Systems**, Munich, Germany, December 19, 2019.

46. "The Pendulum has Swung: From Big Data Hubris to AI Hubris," *Invited Keynote*, **ICIS AIS SigPhil**, Munich, Germany, December 16, 2019.

47. "Spatio-temporal Movement Modeling with Deep Learning: The Blue Water Case," *Distinguished Speaker in IT/Analytics Speaker Series*, Mendoza College of Business, **University of Notre Dame**, November 8, 2019.

48. "Data and Business Analytics," *UVA Datapalooza Panel*, School of Data Science, **University of Virginia**, Charlottesville, VA, November 1, 2019.

49. "Spatio-temporal Movement Modeling with Deep Learning: The Blue Water Case," *Invited Seminar Talk*, Johnson Graduate School of Management, **Cornell University**, October 11, 2019.

50. "Deep Learning for Detecting Adverse Events from Web Search," *Research Workshop*, Goizueta Business School, **Emory University**, August 13, 2019.

51. "Deep Learning for Detecting Adverse Events from Web Search," *Distinguished Speaker Series – Global Center on Big Data and Mobile Analytics*, Fox School of Business, **Temple University**, June 14, 2019.

52. "Deep Learning for Detecting Adverse Events from Web Search," *Invited Seminar Talk*, Sauder School of Business, **University of British Columbia**, May 3, 2019.

53. "Deep Learning for Detecting Adverse Events from Web Search," *Invited Seminar Talk*, Beedie School of Business, **Simon Fraser University**, May 2, 2019.

54. "Examining Sentiment in Financial Call Transcripts: A Deep Learning Perspective," *Invited Seminar Talk – Institute for Financial Services Analytics*, Alfred Lerner College of Business and Economics, **University of Delaware**, DE, February 15, 2019.

55. "Finding Needles in a Haystack: Deep Learning for Rare Adverse Event Detection," *Invited Research Talk,* Tippie College of Business, **University of Iowa**, IA, October 12, 2018.

56. "Text Analytics: The State-of-the-Art and Applications in Adverse Event Detection," *Antai Graduate Summer School*, **Shanghai Jiaotong University**, Shanghai, China, July 10, 2018.

57. "Text Analytics: Advanced Methods and Value Quantification," *Antai Graduate Summer School*, **Shanghai Jiaotong University**, Shanghai, China, July 9, 2018.

58. "Deep Learning for Health Empowerment: Psychometric and Behavior Modeling," *Invited Talk*, *Annual Conference on Data, Information, and Society*, **Nanjing University**, July 5, 2018.

59. "Deep Learning for Patient Empowerment: Psychometric and Behavior Modeling," *Invited Keynote*, *International Conference on Smart Health*, **Wuhan University**, July 3, 2018.

60. "A Deep Learning Architecture for Psychometric Natural Language Processing," *Invited Speaker – Digital Innovation Workshop*, Carroll School of Management, **Boston College**, Boston, MA, May 4, 2018.

61. "Deep Learning for Health Analytics: Psychometric Natural Language Processing," *Invited Research Talk*, R. H. Smith School of Business, **University of Maryland**, College Park, MD, March 16, 2018.

62. "Behavior Modeling for Cybersecurity: Predicting Susceptibility to Phishing Attacks," *Invited Research Talk*, College of Business, **UT-San Antonio**, San Antonio, TX, March 2, 2018.

63. "Text Analytics to Support Sense-making in Social Media: A Language-Action Perspective," *Invited Research Talk*, **Virginia Commonwealth University**, Richmond, VA, November 17, 2017.

64. "Mobile Analytics: What is your Phone Telling you about your Health?," *HealthTech Day*, MOYO, **Morehouse School of Medicine**, Atlanta, GA, November 11, 2017.

65. "Two Trends in Business Analytics," *UVA Datapalooza*, Data Science Institute, **University of Virginia**, Charlottesville, VA, November 10, 2017.

66. "Text Analytics to Support Sense-making in Social Media: A Language-Action Perspective," *Invited Research Talk – Professor Lecture Series*, **Deloitte Consulting**, Arlington, VA, August 16, 2017.

67. "Creating and Capturing Business Value through Text and Social Analytics," *UVA McIntire Knowledge Continuum*, *Center for the Management of IT*, **University of Virginia**, Charlottesville, VA, May 12, 2017.

68. "Text Analytics to Support Sense-making in Social Media: A Language-Action Perspective," *Invited Research Talk,* Pamplin College of Business, **Virginia Tech**, Blacksburg, VA, May 5, 2017.

69. "Emerging Technologies - Driving Business Value through Innovation," *Invited Talk, EY Data Management Round Table,* EY FSO Advisory, **Ernst & Young**, New York City, NY, April 19, 2017.

70. "Data Management Journey: What's Next? – An Academic Perspective," *Roundtable Panel, EY Data Management Round Table,* EY FSO Advisory, **Ernst & Young**, New York City, NY, April 19, 2017.

71. "Text Analytics to Support Sense-making in Social Media: A Language-Action Perspective," *Invited Research Talk,* Robinson College of Business, **Georgia State University**, Atlanta, GA, March 3, 2017.

72. "Text Analytics to Support Sense-making in Social Media: A Language-Action Perspective," *ASU IS Research Workshop*, W.P. Carey School of Business, **Arizona State University**, Phoenix, AZ, February 23-25, 2017.

73. "Text Analytics to Support Sense-making in Social Media: A Language-Action Perspective," *Research Seminar Series*, Fox School of Business, **Temple University**, Philadelphia, PA, February 3, 2017.

74. "Text Analytics to Support Sense-making in Social Media: A Language-Action Perspective," *Research Seminar Series*, Cox School of Business, **Southern Methodist University**, Dallas, TX, December 2, 2016.

75. "Text Analytics to Support Sense-making in Social Media: A Language-Action Perspective," *MIS Research Center*, Carlson School of Management, **University of Minnesota**, Minneapolis, MN, November 18, 2016.

76. "Text Analytics to Support Sense-making in Social Media: A Language-Action Perspective," *Special Guest Speaker Seminar*, Department of Computer Science, **University of Virginia**, Charlottesville, VA, October 29, 2016.

77. "Large-scale Medical Informatics for Patient Care Coordination and Engagement," *Data Science Institute Board Meeting*, **University of Virginia**, Charlottesville, VA, October 14, 2016.

78. "Socio-Technical Predictive Analytics for Cybersecurity: A People, Process, and Technology Perspective," *Plenary Panel*, **IEEE ISI 2016**, Tucson, AZ, September 30, 2016.

79. "ISI Research: Data Collection is Half the Battle," *DIBBs Panel*, **IEEE ISI 2016**, Tucson, AZ, September 30, 2016.

80. "Socio-Technical Predictive Analytics for Cybersecurity: A People, Process, and Technology Perspective," *UVA Datapalooza*, Data Science Institute, **University of Virginia**, Charlottesville, VA, September 16, 2016.

81. "The Phishing Funnel Model: A Design Artifact for Understanding and Predicting User Susceptibility to Phishing Websites," *MIS Speaker's Series*, Eller College of Management, **University of Arizona**, Tucson, AZ, March 25, 2016.

82. "The Value Proposition of WITS," *WITS 25th Anniversary Panel*, **WITS 2015**, Dallas, TX, December 12, 2015.

83. "Don't Mention It? An Empirical Analysis of User-generated Content Signals for Early Adverse Drug Event Warnings," *Research Seminar Series*, David Eccles School of Business, **University of Utah**, Salt Lake City, UT, November 6, 2015.

84. "Don't Mention It? Analyzing User-generated Content Signals for Early Adverse Drug Event Warnings," *Information Systems Seminar Series*, Naveen Jindal School of Management, **UT-Dallas**, Dallas, TX, October 23, 2015.

85. "Cross-Paradigm Research Streams: An Example in IS Security Research," *Antai Graduate Summer School*, **Shanghai Jiaotong University**, China, July 3, 2015.

86. "Big Data in Information Systems Research: A Value Chain Perspective," *Antai Graduate Summer School*, **Shanghai Jiaotong University**, China, July 1, 2015.

87. "Twitter Sentiment Analysis: #TheStateoftheArt," *Leeds Business Analytics Conference*, Leeds School of Business, **University of Colorado**, Boulder, CO, September 19, 2014.

88. "Predictive Analytics for Anti-Phishing," *Speaker Series - From the Classroom to the Boardroom*, **Deloitte Consulting**, Arlington, VA, May 23, 2014.

89. "Predictive Analytics for Anti-Phishing," *UVA McIntire Knowledge Continuum*, **University of Virginia**, Charlottesville, VA, April 4, 2014.

90. "Social Media Analytics: From Reactive to Proactive," *UVA McIntire Knowledge Continuum*, **University of Virginia**, Charlottesville, VA, April 5, 2013.

91. "Analytics: From Reactive to Proactive," *UVA Alumni Dinner*, **University of Virginia**, Tysons Corner, VA, November 16, 2012.

92. "Social Media Analytics," *MIS Research Center Speaker Series*, Carlson School of Management, **University of Minnesota**, Minneapolis, MN, November 9, 2012.

93. "The Phishing Funnel: Understanding and Predicting User Susceptibility to Phishing Website Attacks," *Invited Research Talk*, Carlson School of Management, **University of Minnesota**, Minneapolis, MN, November 9, 2012.

94. "The Phishing Funnel: Assessing the Impact of Anti-phishing Tool Performance on Attack Success Rates," *Invited Talk,* **INFORMS Annual Meeting**, Phoenix, AZ, October 16, 2012.

95. "Detecting Adverse Drug Reactions using Social Media Analytics," *Invited Talk,* **IEEE ISI Social Computing Workshop**, Washington D. C., June 11, 2012.

96. "Safeguarding Individuals in the Health 2.0 Era: Identification of Fake Medical Websites using Network Stack Information," *Invited Talk,* **INFORMS Annual Meeting**, Charlotte, NC, November 15, 2011, with Jason Koepke and Siddharth Kaza.

97. "Selecting Attributes for Sentiment Classification" *Accepted Talk,* **Annual Meeting of the Classification Society**, St. Louis, MO, June 18, 2010, with Stephen France.

98. "Fake Website Detection: Tools, Techniques, and Applications Domains," *Lubar School of Business Research Seminar Series*, **University of Wisconsin-Milwaukee**, WI, October 29, 2009.

99. "Fake Website Detection," *Invited Talk,* **The Big Ten IS Symposium**, Bloomington, IN, May 2, 2009.

100. "Tools for Detecting Fake Websites," *Invited Talk,* **The 41st Parameter**, Phoenix, AZ, May 22, 2008.

101. "Learning Fraud Cues for Fake Website Detection," *Invited Talk,* **Arizona Exposium on Frontiers in Information Technology and Applications (FITA)**, Tucson, AZ, February 28-29, 2008.

102. "Stylometric Identification in Electronic Markets: Scalability and Robustness," *Pamplin College of Business,* **Virginia Tech**, Blacksburg, VA, January 18, 2008.

103. "Text Analysis of Computer-mediated Communication," *Williamson College of Business Administration,* **Youngstown State University**, Youngstown, OH, December 5, 2007.

104. "Stylometric Identification in Electronic Markets: Scalability and Robustness," *Culverhouse School of Commerce,* **University of Alabama**, Tuscaloosa, AL, October 26, 2007.

105. "Stylometric Identification in Electronic Markets: Scalability and Robustness," **Michigan State University**, East Lansing, MI, October 19, 2007.

106. "Writeprints: Stylometric Identification and Similarity Detection in Cyberspace," *School of Information Studies*, **Syracuse University**, Syracuse, NY, October 12, 2007.

107. "Affect and Sentiment Analysis of Web Discourse," *PI Presentations*, **ITIC/CIA Knowledge Discovery and Dissemination (KDD) PI Workshop**, *MITRE*, McLean, VA, November 1-2, 2005.

RESEARCH GRANTS

1. "Enabling the Next Generation of Behavior Informatics with GenAI and Edge Robotics," PI, funded by iNDustry Labs, University of Notre Dame, $100,000.
2. "Workshop on Information Systems for Disaster Response Management (WIS-DRM)," (ND PI), funded by the National Science Foundation (#CMMI-2240347), $49,995.
3. "Examining Implicit and Intersectional Bias in Psychometric NLP: Empirical Insights from Health Analytics," (PI, with Kendall Smith), funded by the *Kemper Foundation*, $25,000.
4. "Machine Learning Methods for Causal Inference in Digital Experimentation Platforms," (PI, with Ken Kelley and David Dobolyi), funded by *eBay*, $150,000.
5. "NLP for the Greater Good: A Robust Deep Learning Framework," (PI, with David Dobolyi and Rick Netemeyer), funded by *Oracle for Research*, $100,000.
6. "Social Media Based Analysis of Adverse Drug Events: User Modeling, Signal Reliability, and Signal Validation," (ND PI), funded by the *National Science Foundation* (#IIS-2039915, #IIS-1816504), $500,000 total, ND share: $230,000.
7. "Large-scale Medical Informatics for Patient Care Coordination and Engagement," (UVA PI), funded by the *National Science Foundation* (#BDS-1636933), $1,000,000 total, UVA share: $50,000.
8. "New Abstractions and Applications for Automata Computing," (Co-PI), funded by the *National Science Foundation* (#CCF-1629450), $875,000.
9. "Psychometric NLP for Patient Care and Coordination," (PI, with David Dobolyi, Jingjing Li, and Rick Netemeyer), funded by *Microsoft Research* (Microsoft Azure Research Award CRM:0740129), $25,000.
10. "Full-stack Cybersecurity: Integrating Analytics, System Responsiveness, and the Human," (Co-PI, with Ryan Wright and Kevin Skadron), funded by *University of Virginia* (3 Cavaliers Program), $60,000.
11. "CRUFS: A Unified Framework for Social Media Analysis of Adverse Drug Events," (UVA PI), funded by the *National Science Foundation* (#IIS-1553109 and IIS-1552860), $250,000 total, UVA share: $110,000.
12. "Data Analytics Center Research Gifts and Sponsorships," (UVA Center Director, center co-founded with Rick Netemeyer and Trey Maxham), funded by various industry organizations including Deloitte, McKinsey, EY, comScore, Ipsos Public Affairs, Capital One, CapTech, etc., $1,212,750.

13. "DIBBs for Intelligence and Security Informatics Research Community," (UVA PI), funded by the *National Science Foundation* (#ACI-1443019), $1,500,000 total, UVA share: $150,068.
14. "Big Data Analytics – Educate, Explore, Engage, and Execute," (PI), funded by *IBM Faculty Award*, $20,000.
15. "Large-scale Sentiment Analysis of Social Media," (PI), funded by *AWS Educator Research Grant*, $5,000.
16. "Computational Public Drug Surveillance," (UVA PI), funded by the *National Science Foundation* (# IIS-1236970 and IIS-1236983), $156,057.
17. "A User-Centric Approach to the Design of Intelligent Fake Website Detection Systems," (Co-PI), funded by the *National Science Foundation* (# CNS-1049497), $280,173.
18. "Online Stylometric Authorship Identification: An Exploratory Study," (Project Lead), funded by the *National Science Foundation* (# IIS-0646942), $75,000.
19. "Explosives and IEDs in the Dark Web: Discovery, Categorization, and Analysis," (Project Lead and Subcontractor), funded by the *National Science Foundation* (# CBET-0730908), $797,447.

PROFESSIONAL ACTIVITIES (EXTERNAL)

1. **Decision Editor:**
   - Senior Editor, Information Systems Research (2018 – present)
     - 350+ reports over the past 8 years
   - Guest Editor, IEEE Intelligent Systems Special Issue on Deep Learning for Health (2022-2023)
   - Guest Editor, IEEE Intelligent Systems Special Issue on Predictive Analytics (2014-2015)
   - Guest SE, ISR Special Issue on Generative AI and New Methods of Inquiry in Information Systems Research (2026 – present)
   - Guest SE, MISQ Special Issue on The Institutional Press in the Digital Age (2023 – present)
     - Provided feedback to 80 abstracts, arranged 32-paper pre-submission AOM workshop
   - Guest SE, JAIS Special Issue Contemporary Innovation in Information Infrastructures (2024 – pr)
     - We are handling approximately 40 submissions
   - Guest SE, INFORMS ISR Special Issue IT for Strategic Management of Disasters (2021 – 2023)
     - Provided 1-page feedback to 120 abstracts, arranged two-day 40-paper workshop with authors and AEs, and are handling 50+ submissions
   - Guest SE, JAIS Special Issue on Data Science for Social Good (2021 – 2023)
     - We provided 1-page feedback to 50 abstracts, and handled 25+ submissions

   Department Editor, Trustworthy and Responsible AI, IEEE Intelligent Systems (2025 – present)
   - Handle submissions and invited articles related to department themes from researchers in academia, industry, and policy groups

   Deciding Associate Editor (journals without DE/SE roles; AEs make final decisions):
   - ACM Transactions on Management Information Systems (2013 – present)
   - IEEE Intelligent Systems (2014 - present)
   - ACM Transactions on AI Security and Privacy (2025 – present)

2. **Associate Editor:**
   - Information Systems Research (2015 - 2017): 70 reports
   - Decision Sciences Journal (2015 - 2017)
   - MIS Quarterly special assignments (2017 – 2018)

- Area Chair, Association for Computational Linguistics (ACL) (2025-present)
- Area Chair, Conference on Neural Information Processing Systems (NeurIPS) (2026-present)

3. **Officer/Board Member:**
   - Board Member - Workshop on Information Technologies and Systems (WITS) (2019 – present)
     - President (2025 – present)
     - Vice President/Secretary (2022 – 2024)
     - Treasurer/CFO (2019-2021)
   - President and Founding Member – AIS SIG TECH (2025 – present)
   - Chair – INFORMS College on AI (2021 – 2022; ex officio 2023 – 2024)
   - Advisory Board Member – INFORMS College on AI (2023 – present)
   - Judges Panel – INFORMS Design Science Award (2020 – present)
   - NSF project on "Securing Cyberspace: Understanding the Cyber Attackers and Attacks via Social Media Analytics"

4. **Editorial Review Board Member**, Journal of the AIS (2014 – 2017)

5. **Distinguished Fellow**, INFORMS Information Systems Society (ISS); **Distinguished Member**, Association for Computing Machinery (ACM); **Senior Member**, Institute for Electrical and Electronics Engineers (IEEE); **Member**, Association for Information Systems (AIS), INFORMS, College on AI, Sigma Xi.

6. **Promotion and Tenure Activities:**
   Written over 50 external evaluation letters for tenure and full professor cases.

7. **Reviewer and/or Panelist for Grant Proposals**:
   Defense Threat Reduction Agency (DTRA, 2009), National Science Foundation (NSF, 2012-2024), and the American Association for the Advancement of Sciences (AAAS 2012)

8. **Conference Organizing Committee Member:**
   - Conference Co-Chair, IEEE International Conference on Intelligence and Security Informatics, (IEEE ISI 2025, Hong Kong)
   - Conference Co-Chair, Workshop on Information Technologies and Systems (WITS 2024, Bangkok, Thailand)
   - Conference Co-Chair, INFORMS Conference on Information Systems and Technology, (CIST 2022, Indianapolis, USA)
   - Conference Co-Chair, INFORMS Workshop on Data Science, (WDS 2020)
   - Conference Co-Chair, IEEE International Conference on Intelligence and Security Informatics, (IEEE ISI 2020, Arlington, USA)
   - Program Co-Chair, IEEE International Conference on Intelligence and Security Informatics, (IEEE ISI 2019, Shenzhen, China)
   - Program Co-Chair, INFORMS Workshop on Data Science (WDS 2017, Houston, USA)
   - Review Coordinator, Workshop on Information Technologies and Systems (WITS 2014)

9. **Conference Track Co-chair:**
   - Future of Health and Wellbeing, International Conference on Design Science Research in Information Systems and Technology (DESRIST 2026)
   - HCI, Intelligent Augmentation, and AI, International Conference on Information Systems (ICIS 2020)
   - Data Science and Predictive Analytics, International Conference on Information Systems (ICIS 2018)

- Business Analytics and Data Science, International Conference on Design Science Research in Information Systems and Technology (DESRIST 2017)
- Big Data Analytics Track, International Conference on Electronic Commerce (ICEC 2014)

10. **Conference Doctoral Consortium and Junior Faculty Mentoring:**
    - Member – Heidelberg Laureate Forum Young Researcher Selection Committee, ACM 2026
    - Mentor – Doctoral Consortium, INFORMS ISS 2025
    - Mentor – The Tenure Project, 2025
    - Mentor – Mid-career Consortium, AMCIS 2025
    - Mentor – Design Research PDW, AOM CTO 2025
    - Mentor – Computational Theory Construction PDW, AOM CTO 2025
    - Mentor – ISR PDW, CIST 2024
    - Mentor – Doctoral Consortium, AOM CTO 2024
    - Mentor – ISR PDW, ECIS 2024
    - Mentor – AIS College of Senior Scholars Mentor Program, 2023-2024
    - Organizer – DocNet Doctoral Student Recruiting Event, 2022
    - Mentor – Doctoral Consortium, AOM CTO 2022
    - Mentor – AIS Doctoral Student College Mentorship Event, March 2022
    - Panelist – AIS Doctoral Student Corner, ICIS 2021
    - Panelist – AIS Doctoral Student Corner, AMCIS 2021
    - Mentor – Doctoral Consortium, ICIS 2020
    - Mentor – Doctoral Consortium, AMCIS 2020

11. **Conference Associate Editor:**
    - Research Methods, Theorizing, and Philosophy (ICIS 2017)
    - Data Science and Business Analytics Track (ICIS 2016)
    - Knowledge Management and Business Intelligence Track (ICIS 2012)

12. **Conference Session Chair:**
    Text Mining, IEEE International Conference on Intelligence and Security Informatics, 2012, Washington D.C.; Social Computing, INFORMS Annual Meeting, 2011, Charlotte, NC; Text Mining, Workshop on Information Technologies and Systems, 2010, Phoenix, AZ.

13. **Program Committee Member:**
    Annual Meeting of the Association for Computational Linguistics (ACL 2010, 2011, 2014, 2015, 2023-2025), Empirical Methods in Natural Language Processing (EMNLP 2009, 2012, 2023-2025), North American Chapter of the Association for Computational Linguistics (NAACL 2013, 2023-2025), Conference of the European Chapter of the Association for Computational Linguistics (EACL 2012), International Joint Conference on Natural Language Processing (IJCNLP 2011, 2015, 2017), Pacific Asia Workshop on Intelligence and Security Informatics (PAISI 2011), International Conference on Design Science Research in Information Systems and Technology (DESRIST 2011-2017, 2020-2021), International Workshop on Search and Mining User-generated Contents (SMUC 2010), ACM Symposium on Computer Human Interaction for Management of Information Technology (CHIMIT 2010), Workshop on Information Technologies and Systems (WITS 2009-2020), INFORMS Workshop on Data Science (WDS 2017-2020), Winter Conference on Business Analytics (2015-2019), International Joint Conference on Artificial Intelligence (IJCAI 2019).

14. **Reviewed Manuscripts for the Following Journals and Conferences:**
    Journals: 205 reviewer reports for – MIS Quarterly, Information Systems Research, Proceedings of the National Academy of Science (PNAS), Journal of Management Information Systems, Management Science, ACM Transactions on Information Systems, IEEE Transactions on Knowledge

and Data Engineering, IEEE Transactions on Systems, Man, and Cybernetics (Part A, B), ACM Transactions on Knowledge and Data Discovery, ACM Transactions on Management Information Systems, INFORMS Journal on Computing, IEEE Computer, IEEE Intelligent Systems, Information Systems Frontiers, Decision Support Systems, Computational Linguistics, International Journal of Electronic Commerce, Information Processing and Management, International Journal of Electronic Business, Journal of the American Society for Information Science and Technology, International Journal of Digital Crime and Forensics, Journal of Computer-Mediated Communication, Language Resources and Evaluation.

Conferences: International Conference on Information Systems (2009, 2010, 2013), Pacific Asia Conference on Information Systems (2009), Workshop on Interdisciplinary Studies in Information Privacy and Security (2008), European Conference on Digital Libraries (2007), Hawaii International Conference on System Sciences (2006), International Conference on Asian Digital Libraries (2006), ACM Conference on Information and Knowledge Management (2006), Pacific-Asia Conference on Knowledge Discovery and Data Mining (2005), Workshop on the Sciences of the Artificial (2005), IEEE International Conference on Intelligence and Security Informatics (2005-2018), Association for the Advancement of Artificial Intelligence (2017).

PROFESSIONAL ACTIVITIES (INTERNAL)

1. Co-Director, Human-centered Analytics Lab, Mendoza College of Business, University of Notre Dame (2020-present). The lab conducts programmatic streams of research on problems where the use of technology for understanding and improving the human condition is central. The lab has received over **$25 million** in benefaction to support impactful research and PhD students.
2. Director, Analytics PhD Program, Mendoza College of Business, University of Notre Dame (2021-present). The core mission of the program is to develop thought-leaders in the IS/analytics space that are engaged in impactful, cutting-edge scholarly research that considers the ethical dimension of data and its usage.
3. Director, Center for Business Analytics, McIntire School of Commerce, University of Virginia (2013-2020). The Center received over **$1.2 million** in industry funding and commitments.
    - Arranged annual colloquium featuring 250+ registrants, 25-30 industry speakers
    - Managed Spring board meeting encompassing 16-20 board members and invites
    - Oversaw various Center activities, including annual skills workshops, competitions, etc.
    - Co-created new MS-Commerce track in Business Analytics (2015)
    - Co-created new joint MS in Business Analytics with Darden (2018)
4. Coordinator, Enterprise IT Management Module, MS MIT Program, McIntire School of Commerce, University of Virginia (2011-2019).
    - Ran executives-on-grounds (EOG) program featuring pool of 20+ CIOs and technology executives that have one-on-one feedback and mentoring sessions with students.
5. Committee Member, McIntire School of Commerce, University of Virginia
    - MS MIT Admissions Committee, (2012-2015)
    - Reappointment, Promotion and Tenure Committees (various), (2014–2020)
    - Member, New Building Planning Group (2017–2020)
6. Affiliated Faculty Member, Data Science Institute, University of Virginia (2014-2020)

7. Committee Chair/Member, Cybersecurity and Business Analytics Cluster Hires, University Virginia (2017-2020)

8. Program Faculty Member, Doctoral Program in Medical Informatics, University of Wisconsin-Milwaukee (2008-2011).

8. Dissertation Advisor, Committee Member, or Post-Doctoral Mentor:

   Nitin Walia (UW-Milwaukee, 2010), Craig Claybaugh (UW-Milwaukee, 2010), Yan Chen (UW-Milwaukee, 2012), Abdullah Al-Bizri (UVa, 2014), David Dobolyi (UVa, 2015), Shasha Deng (SJTU, 2015), Hanyu Duan (HKUST, 2025), Gemza Ademaj (Lund University, 2025), Sajjad Shumaly (Max Planck Institute, 2026), Xinyuan Zhang (Notre Dame, 2026), Shaochun Li (SJTU, 2026), Kezia Oketch (Notre Dame, 2027), Ryan Cook (Notre Dame 2027), Sunan Qian (Notre Dame 2027), Jiehui Luo (Notre Dame 2028), Sofia Calderon (Notre Dame 2029).

9. Master's Students Advised and Undergraduate Theses Supervised:

   James Crawford (MS, UW-Milwaukee, 2011), Edward Burr (MS, UW-Milwaukee, 2011), Ali Alkhudair (MS, UW-Milwaukee, 2011), Paul Huang (BS, UVA, Computer Science, 2013), Faizan Ahmad (MS, UVA, 2020)

SPECIAL AWARDS AND HONORS

1. IEEE Big Data Security Senior Research Award, IEEE Computer Society (2026)
2. Distinguished Member Award, ACM (2025)
3. Distinguished Fellow Award, INFORMS ISS (2025)
4. Notre Dame All-Faculty Team Award, University of Notre Dame (2025)
5. Mendoza Mission Research Award, University of Notre Dame (2025)
6. Best Student Paper Runner-up, INFORMS Workshop on Data Science (2025)
7. MSBA Teaching Award, University of Notre Dame (2024)
8. James Dincolo Research Award, University of Notre Dame (2023)
9. Best Paper Award, INFORMS Information Systems Research (2021)
10. Kemper Faculty Award, The Kemper Foundation (2021)
11. Finalist, American Marketing Association's Hunt-Maynard Award (2021)
12. INFORMS Design Science Award, INFORMS IS Society (2019)
13. IEEE Technical Achievement Award, IEEE SMC and ITS Societies (2018)
14. Best Paper Nominee, INFORMS Workshop on Data Science (2018)
15. Best Prototype Award, Workshop on Information Technologies and Systems (2016)
16. Best Paper Award, Workshop on Information Technologies and Systems (2015)
17. IBM Faculty Award, (2014)
18. Best Paper Nominee, IEEE International Conference on Intelligence and Security Informatics (2013)
19. Best Paper Nominee, DESRIST (2011)
20. Best Paper Nominee, AIS SIG-HCI Workshop (2011)
21. Best Publication Award, Association for Information Systems (2010)
22. Best Paper Award, MIS Quarterly (2010)
23. Best Paper Award, Workshop on Information Technologies and Systems (2010)
24. Roger L. Fitzsimonds Scholarly Achievement Award, University of Wisconsin-Milwaukee (2010)
25. Gold Star Teaching Award, University of Wisconsin-Milwaukee (2010)
26. Eller College Dean's Award for Research, University of Arizona (2008)
27. Eller College Dean's Award for Teaching, University of Arizona (2008)
28. MBA Program Academic Scholarship, Virginia Tech (2002-2004)
29. Charles M. Forbes Academic Scholarship, Virginia Tech (2002-2004)
30. Central Fidelity Fellowship, Virginia Tech (1999-2000)

31. Member, National Society of Collegiate Scholars (1999-Present)
32. William L. Dean Academic Scholarship, Virginia Tech (1998-2000)
33. Robert B. Pamplin Academic Scholarship, Virginia Tech (1998-2000)

MAJOR MEDIA COVERAGE OF RESEARCH

Human-centered AI and Text Analytics

1. Mendoza News and Events, January 6, 2026, Ahmed Abbasi named ACM Distinguished Member
2. Mendoza News and Events, October 31, 2025, Ahmed Abbasi honored as INFORMS (ISS) Fellow
3. Mendoza News and Events, October 16, 2025, Ahmed Abbasi Named to ND All-Faculty Team
4. ND Research, September 12, 2021, Path to Purpose: Exploring the Interface of AI and Humanity
5. CBS This Morning, October 21, 2017, How Americans Feel About Automation
6. WIRED, October 17, 2017, Americans Love Automation Until It Comes For Their Jobs
7. UVA Today, April 28, 2017, McIntire Faculty Tackle Today's Big Questions
8. The Wall Street Journal, October 8, 2012, Mining the Internet for Speedier Alerts on Drugs.
9. Fox News, October 3, 2012, Researchers Try to Track Drug Reactions using Social Media.
10. The Associated Press, October 2, 2012, Profs Aim to Track Drug Reactions via Social Media.
11. Science Daily, September 21, 2012, Sifting Social Media for Early Signs of Adverse Drug Reactions.

Predictive Analytics in Adversarial Settings

12. WINA Podcast, February 17, 2015 Crowdsourcing Cybersecurity
13. UVA Today, February 16, 2015, McIntire Professor will Probe Cybersecurity Breaches
14. Whistle Blower Central, September 26, 2012, UVA-BYU MetaFraud: SEC Droid we're Looking For?
15. Phys Org, September 18, 2012, Researchers Detect Fraud with Highest Accuracy to Date.
16. Arizona Daily Star, September 6, 2011, UA Team Out to Expose Phishers.
17. United Press International, July 26, 2011, System Said to Detect Fake Websites.