

THI TRAN, Ph.D.

Assistant Professor of Management Information Systems

School of Management, Binghamton University, State University of New York

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Google Scholars: <https://scholar.google.com/citations?user=L23zYkQAAAAJ&hl=en>

EDUCATION

Ph.D. in Information Technology

Aug 2022

The University of Texas at San Antonio, Texas, US. **GPA: 3.87/4.0.**

Main Research Streams: Misinformation Harms During Crises, Expressed Misinformation Uncertainty and Misinformation Handling System Design.

Master of Science in Information Technology & Management

2017

The University of Texas at Dallas, Richardson, Texas, US. **GPA: 3.67/4.0.**

Concentrations: Business Data Analytics, Data Science, and IT Project Management.

Bachelor of Business Administration

2004

The University of Economics, Ho Chi Minh City, Vietnam.

Concentrations: Human Resource Management, Marketing & Strategic Management.

ACADEMIC EXPERIENCE

Binghamton University, State University of New York (SUNY)

August 2022 - Present

Tenure track Assistant Professor of Management Information Systems

School of Management.

The University of Texas at San Antonio

2018 - 2022

Graduate Research Assistant, Co-PIs Research Grant Proposals, Instructor

Department of Information Systems and Cyber Security.

RESEARCH

Main Domains:

- Cyber Security, Information Integrity and Information Assurance (Misinformation harms, misinformation mitigation, misinformation conversions, misinformation handling systems, data breach, phishing e-mails, fake social media accounts).
- Emergency responses during crises and Cyber Security in healthcare and political conflicts.
- Healthcare, Privacy, Data Protection and Cyber Security Policies' compliance.
- Applied Emerging Technologies (AI, Metaverse, etc.) in Cyber Security.

Research Methods: Behavioral Surveys, Longitudinal Studies, Exploratory Research, Experimental Studies, Econometrics – Structural Equation Modeling (SEM), Delphi Technique, Psychometric Analyses, Factor Analyses, Measurement Development, Design Science Research, Social Media Data and Web Mining, Applied Machine Learning – Deep Learning, Applied Generative AI - Large language modelling (LLM), Supervised and Unsupervised Learning, Applied Natural Language Processing – Sentiment Analyses, Systematic Literature Reviews.

TEACHING

Teaching experience:

Teaching Experience:

- MIS 450/550 – IT Security and Forensics (undergraduate and graduate levels). Fall 2022 and Spring 2023. Topics: IT, IS, Network Security, Information Assurance, Digital Forensics.
- MIS 480N/580N – Emerging Issues and Cyber Security (undergraduate and graduate levels). Spring 2023. Topics: Connections between Cyber Security and Emerging Technologies (applied Machine Learning / Artificial Intelligence, Data Visualization, Big Data Analytics, Internet of Things).
- IS 3003 – Principles of Information Systems for Management. Fall 2020 to Spring 2022. *Focus topics:* Data Analytics and Cybersecurity. Teaching evaluation: **4.5/5.0 (2021)**.

Teaching Assistants for Graduate courses: IS 6383 Policy Assurance for Infrastructure Assurance; Ph.D. Seminar IS 7033 Behavioral and Organizational ISCS Research (08-2019 to 05-2020).

Teaching interests: Cyber Security, Information Assurance, Cyber Forensics, Principles of MIS, Database Management, Data Mining, Data Analytics, Machine Learning, IT Project Management, and other Data Analytics and Cyber Security courses.

PEER REVIEWED JOURNAL PUBLICATIONS

Thi Tran, Rohit Valecha, Raghav H. Rao. (2023). Mitigation of Misinformation Harms during Crises: An Activity Theory Approach for Examining Machine and Human Roles. *International Journal of Information Management (IJIM)*, Volume 70, June 2023, 102627, <https://doi.org/10.1016/j.ijinfomgt.2023.102627> [**Q1, 2023 records: ABDC rating A*, Cite Score 41.9, Impact Factor 21.00**]

Thi Tran, Rohit Valecha, & Raghav H. Rao. (2022). Health-Related Misinformation Harm during the COVID-19 Pandemic: An Investigation of Non-comparative and Comparative Harm Perceptions. *AIS. Transactions on Human-Computer Interaction, The Special Issue on Fake News and Deception*. 14(2), 185-206. <https://doi.org/10.17705/1thci.0010166>. [**Q1, 2023 ABDC rating A, 2020 Impact Factor: 3.92**]

Thi Tran, Rohit Valecha, Paul Rad, & Raghav H. Rao. (2021). An investigation of misinformation harms related to social media during two humanitarian crises. *Information Systems Frontiers* 23, 931–939 <https://doi.org/10.1007/s10796-020-10088-3>. [**Q1, 2023 ABDC rating A, 2022 Impact Factor: 6.0; 2022 Scopus Impact Score: 7.43; 2023 Google Scholars H-index: 73**]

Thi Tran, Rohit Valecha, Paul Rad, & Raghav H. Rao. (2020). Misinformation Harms: A Tale of Two Humanitarian Crises. *IEEE Transactions on Professional Communication*, 63(4), 386-399. DOI: 10.1109/TPC.2020.3029685. [**Q2, 2023 ABDC rating B, 2022 Impact Factor: 1.447**]

UNDER REVIEW JOURNAL MANUSCRIPTS

Thi Tran, Rohit Valecha, & Raghav H. Rao. (Under review revision, 2nd round after invited resubmission). Misinformation In The Context Of Health Crises: An Investigation Of Harm Characteristics And Related Social Media Conversations. *MIS. Quarterly*.

Thi Tran, Rohit Valecha, David Han, & Raghav H. Rao (Under review, Invited resubmission). How do Belief and Perceived Harms Impact Hesitancy in the Sharing of Vaccine Misinformation? *Information Systems Research*.

[Note: Significantly improved from feedback of rejected MISQ submission with previous title as:

“Dual Reactions To Vaccine Misinformation: An Investigation Of The Impact Of Beliefs And Perceived Harms On Vaccination Acceptance And Misinformation Sharing”. *MIS. Quarterly*.]

Sharada Sringswara*, Huan Hong Nguyen*, Sujeet Kumar Sharma, **Thi Tran**, H. Raghav Rao. (**Under review, 2nd round**). Behavioral Cybersecurity and Social Media: A Closer Look at Rumors & Misinformation. *International Journal of Information Management*.

Note: *: Denotating student authors.

FORTHCOMING JOURNAL SUBMISSIONS

Thi Tran, Insu Park, Jeewon Cho, & Raghav H. Rao (**Finalizing manuscript, to be submitted in August 2025**). Effective Clinical Information Systems (Cis) Use and Cis Resilience: A Study of Hospital Response and Recovery (R&R) Effectiveness Under Natural Disasters. *Targeting Information Systems Research Journal (ISR)*, improved manuscript after 4 rounds of revisions from *MIS Quarterly (MISQ) Journal* (from 2021 to 2025).

Sharada Sringswara*, Huan Hong Nguyen*, **Thi Tran**, Sujeet Kumar Sharma, Raghav H. Rao (**Finalizing manuscript, to be submitted in August 2025**). Behavioral Cybersecurity and Social Media: A Closer Look at Rumors & Misinformation. *Targeting European Journal of Information Systems (EJIS)*, improved manuscript after 3 rounds of review at *International Journal of Information Management*.

Thi Tran, An Vu*, Huan Hong Nguyen*, Hoang Minh Ngoc Nguyen*, Bao Do*, Thai Anh Vo* (**Finalizing manuscript, to be submitted in August 2025**). A systematic literature review of efforts using Blockchain technologies to fight fake news. *Targeting European Journal of Information Systems (EJIS)*, improved manuscript after 1 round of review at *Decision Support Systems Journal*.

Thi Tran, Pranali Mandaokar*, Naga Vemprala, Rohit Valecha, Govind Hariharan, & Raghav H. Rao. (**Finalizing manuscript, to be submitted in August 2025**). Emotions, Risk and Misinformation Sharing on Social Media during a Health Crisis. *Targeting Information Systems Journal (ISJ)*, improved manuscript after 1 round of review at *Decision Support Systems Journal* and 3 conference proceedings publications.

An Vu-Minh*, Hoang Vo*, Duc Viet Hoang*, Huan Hong Nguyen*, Kaige Gao, **Thi Tran**. (**Finalizing Manuscript, to be submitted by October 2025**). Benchmarking Evidence-Augmented Large Language Models for Fact-Checking: An Information Systems Perspective on Scale and Augmentation. *Targeting MIS Quarterly Journal, the Special Issue of Artificial Intelligence-Information Assurance (AI-IA) Nexus*. Extended from the recently accepted ICIS 2025 conference proceedings publication.

Tuan Chu, **Thi Tran**, Duy-Dang Pham, An Vu-Minh*, Bao Do*, Huan Hong Nguyen* (**Finalizing manuscript**). E-governance applicability and concerns: A case study of Yen Bai province in Vietnam. *Targeting European Journal of Information Systems (EJIS)*.

Duy-Dang Pham, Tuan Chu, **Thi Tran**, An Vu-Minh*, Bao Do*, Huan Hong Nguyen* (**Finalizing manuscript, to be submitted in August 2025**). Accepting the Defense Lines: Investigating Information Security Adoption and Acceptance in Vietnamese Enterprises and Related Issues. *Targeting International Journal of Information Management*.

Minh Nguyen, Hiep Dang, Jaekon Jung, **Thi Tran**. (**In progress, data analysis and finalizing manuscript**). Effects of Cybersecurity Readiness on Firm Performance: Evidence from Conference Calls. *Targeting Management Science Journal*.

Subimal Chatterjee, Sumantra Sarkar, **Thi Tran**. (**In progress, additional data analysis**). Data breaches and reactions on social media: How breach incidents can lead to emotions, sufferings and behaviors. *Data processing and manuscript preparation for MIS Quarterly*.

Note: *: Denotating student authors.

IN PROGRESS PEER REVIEWED BOOKS AND BOOK CHAPTERS

Tuan Chu, **Thi Tran**, Duy-Dang Pham. **(Manuscript finalizing)**. Invited Chapter: Smart Pricing and Sharing Economy. In book: *Advanced Technologies and Sharing Economy*, Springer.

Thi Tran, Duy-Dang Pham, Tuan Chu. **(Manuscript finalizing)**. Invited Chapter: Cyber Security Issues and Sharing Economy. In book: *Advanced Technologies and Sharing Economy*, Springer.

Yu Chen, **Thi Tran**, Seden Akcinaroglu, Ekrem Karakoc. **(Finalizing book proposal)**. Book Proposal: Digital Flows and Social Changes: How Technologies Shape Human History Developments. Targeted publisher: Oxford University Press.

Seden Akcinaroglu, Ekrem Karakoc, **Thi Tran**, Yu Chen. **(Finalizing book proposal)**. Book Proposal: More Than Machines and Numbers: Technological Advancements and Concerning Social Impacts. Targeted publisher: Oxford University Press.

PEER REVIEWED CONFERENCE PUBLICATIONS AND PRESENTATIONS

An Vu-Minh*, Hoang Vo*, Duc Viet Hoang*, Huan Hong Nguyen*, Kaige Gao, **Thi Tran**. **(Forthcoming 2025)**. Benchmarking Evidence-Augmented Large Language Models for Fact-Checking: An Information Systems Perspective on Scale and Augmentation. *International Conference on Information Systems (ICIS 2025)*, Nashville, Tennessee, USA, December 14 – 17, 2025. Track 9: Cybersecurity and Privacy. (Most competitive conference in Information Systems worldwide, acceptance rate around 10%).

An Vu-Minh*, Huan Hong Nguyen*, **Thi Tran**. **(2025)**. Comparative Analysis of Privacy Policies in Large Language Models: Compliance with Data Privacy Laws. *Pacific Asia Conference on Information Systems (PACIS) 2025 Proceedings*. 9. Kuala Lumpur, Malaysia, July 5-9, 2025. Track 6: Information Security and Privacy. <https://aisel.aisnet.org/pacis2025/security/security/9>

Kearney Ashley*, Nihal Poredi*, Joseph A. Shelton, Seden Akcinaroglu, Ekrem Karakoc, **Thi Tran**, and Yu Chen. **(2025)**. Echoes amplified: a study of AI-generated content and digital echo chambers. In *Disruptive Technologies in Information Sciences IX*, vol. 13480, pp. 164-202. SPIE, 2025. <https://doi.org/10.1117/12.3053447>

Al Arfaj Lulu*, Joon Suk Lee, Joseph A. Shelton, Zeynep Ertem, **Thi Tran**, and Yu Chen. **(2025)**. Navigating the infodemic: a comprehensive review of research on misinformation's impact on minority youth. *Disruptive Technologies in Information Sciences IX* 13480 (2025): 203-221. <https://doi.org/10.1117/12.3053713>

Pranali Mandaokar*, **Thi Tran**, Rohit Valecha, Govind Hariharan, Naga Vemprala and Hejamadi Rao. **(2024)**. Misinformation Potential Harm, Emotions and Misinformation Sharing during Health Crisis on Social Media. *2024 HITS-Health Information Technology Symposium, ICIS 2024 - International Conference on Information Systems*, Bangkok, Thailand, December 2024.

Bao Do*, Huan Hong Nguyen*, **Thi Tran**, Sumantra Sarkar. **(2024)**. Leveraging Machine Learning to Combat AI-Driven Sophisticated Social Engineering Threats Online. *ICIS 2024 TREO - International Conference on Information Systems*, Bangkok, Thailand, December 2024. https://aisel.aisnet.org/treos_icis2024/107

An Vu-Minh*, **Thi Tran**, Duong Nguyen-Quy*, Sumantra Sarkar. **(2024)**. Fake news warning system: An exploratory study on using Large Language Model to spot fake news. *ICIS 2024 TREO - International Conference on Information Systems*, Bangkok, Thailand, December 2024. https://aisel.aisnet.org/treos_icis2024/108

Duc-Viet Hoang*, **Thi Tran**, An Vu-Minh*, Sumantra Sarkar. **(2024)**. Fighting the Dark World of “Bulletproof hosting”: An Integrated Approach of Monitoring Dark Web Activities to Mitigate Threats. *ICIS 2024 TREO - International Conference on Information Systems*, Bangkok, Thailand, December 2024. https://aisel.aisnet.org/treos_icis2024/110

Pranali Mandaokar*, **Thi Tran**, Rohit Valecha, Govind Hariharan, Naga Vemprala and Hejamadi Rao. (2024). Emotions, Risk and Misinformation Sharing on Social Media during a Health Crisis. *IFIP DRW 2024* (2024 Dewald Roode Workshop on Information Systems Security Research IFIP WG8.11/WG11.13).

Thi Tran, Bao Do*, Anh Ngo*, Sathwik Krishtipati*, Anh Dang, Sumantra Sarkar. (2024). The Impacts of Layoffs Announcement on Cybersecurity Breaches. *Pacific Asia Conference on Information Systems (PACIS) 2024*, Ho Chi Minh City, Vietnam, July 1-4. Track 07: Digital Security, Privacy, Ethics, and Resilience. https://aisel.aisnet.org/pacis2024/track07_secprivacy/track07_secprivacy/10

Lulu Al Arfaj*, Joon Suk Lee*, Joseph A. Shelton, Zeynep Ertem, **Thi Tran**, Yu Chen. (2024). The impact of misinformation on the health of underrepresented youth during public health crises: a preliminary study. (Invited Paper). Proceedings of *SPIE 13058, DCS213 - Disruptive Technologies in Information Sciences VIII* (Presented April 24, 2024); Special Session: Deceiver 1. <https://doi.org/10.1117/12.3013295>

Bao Do*, Tuan-Anh Ngo*, **Thi Tran**, Sumantra Sarkar. (2023). My Data Matters: Examining Public Sentiments and Reactions Facing Data Breach Incidents. *Proceedings of the Bright Internet Global Symposium 2023, Pre-International Conference on Information Systems* (Pre-ICIS 2023), Hyderabad, India, December 08, 2023.

Xilin Zhang**, **Thi Tran**, Lulu Al-Arfaj*, Zeynep Ertem, and Sumantra Sarkar. (2023). Two Faces of Truth and Lie: The Vacillation of Misinformation from Information. *Proceedings of the International Conference on Secure Knowledge Management 2023*, September 22-23, 2023, Tempe, Arizona, USA.

Thi Tran, Zeynep Ertem, Xilin Zhang**, Sumantra Sarkar. (2023). Human and AI Interactions in the Age of Lies: Understanding ChatGPT as Multi-Dimensional Tools Handling Online Misinformation. *Proceedings of the Annual IDEaS 2023 Conference: Disinformation, Hate Speech, and Extremism Online* (September 22, 2023). Operated by Center for Informed Democracy & Social - cybersecurity (IDEaS), Carnegie Mellon University.

Seden Akcinaroglu, Ekrem Karakoc, **Thi Tran**, Yu Chen, and Chin-Tser Huang. (2023). An Exploration of the Influence of Misinformation and Deterring Technologies. *Proceedings of the Annual IDEaS 2023 Conference: Disinformation, Hate Speech, and Extremism Online* (September 22, 2023). Operated by Center for Informed Democracy & Social - cybersecurity (IDEaS), Carnegie Mellon University. https://www.cmu.edu/ideas-social-cybersecurity/events/ideas2023_paper_8501.pdf

Thi Tran. (2023). Human – machine interactions in fake news era: An integrated data analytics and behavioral approach. Proceedings of *SPIE 12542, DCS213 - Disruptive Technologies in Information Sciences VI*, 125420O (15 June 2023); Special Session: HoTGAME: Hold the Truth Ground Against the Misinformation/Disinformation Era. <https://doi.org/10.1117/12.2663984>

Thi Tran, Oluwafemi Akanfe, Anh Dang. (2023). Implementations of blockchain applications to fight fake news: An applicability and acceptance investigation framework. Proceedings of *SPIE 12542, DCS213 - Disruptive Technologies in Information Sciences VI*, 125420Q (15 June 2023); Special Session: HoTGAME: Hold the Truth Ground Against the Misinformation/Disinformation Era. <https://doi.org/10.1117/12.2663953>

Anh Dang, **Thi Tran**, Oluwafemi Akanfe. (2023). Easy money? Examining the trustworthiness of HYIP. Proceedings of *SPIE 12542, DCS213 - Disruptive Technologies in Information Sciences VI*, 125420R (15 June 2023); Special Session: HoTGAME: Hold the Truth Ground Against the Misinformation/Disinformation Era. <https://doi.org/10.1117/12.2663964>

Thi Tran, Pranali Mandaokar*, Naga Vemprala, Rohit Valecha, Govind Hariharan, & Raghav H. Rao. (2021). User Engagement and Uncertainty from COVID-19 Misinformation on Social Media: An Examination of Emotions and Harms. *Pre-ICIS 2021 Workshop on Information Security and Privacy (WISP 2021)*, AIS SIGSEC (Special Interest Group on Information Security and Privacy). Awarded Outstanding Doctoral Student Paper. <https://aisel.aisnet.org/wisp2021/1>

Thi Tran, Pranali Mandaokar*, Naga Vemprala, Rohit Valecha, Govind Hariharan, & Raghav H. Rao. (2021). Conversational Uncertainty from Misinformation in Social Media during COVID-19: An Examination of Emotions. *Proceedings of the Annual IDEaS Conference: Disinformation, Hate Speech, and Extremism Online, 2021*. Operated by Center for Informed Democracy & Social - cybersecurity (IDEaS), Carnegie Mellon University.

Thi Tran, Rohit Valecha, David Han, & Raghav H. Rao. (2021). The Role of Trust and Risk Tolerance on Perceived Psychological Harms from COVID-19 Vaccine Misinformation. *IFIP WG8.11/WG11.13 Conference on Information Systems Security Research, San Antonio, Texas, October 2021*.

Thi Tran, Rohit Valecha, Paul Rad, & Raghav H. Rao. (2020). False Claims Hurt: Examining Perceptions of Misinformation Harms during Black Lives Matter Movement. *Proceedings of the Conference on Social – Cybersecurity in Times of Crisis and Changes - IDEaS Virtual Conference – Center for Informed Democracy and Social Cybersecurity, Carnegie Melon University*.

Thi Tran, Rohit Valecha, Paul Rad, & Raghav H. Rao. (2020) An Investigation of Misinformation Harms Related to Social Media During Humanitarian Crises. *Proceedings of the International Conference on Secure Knowledge Management in Artificial Intelligence Era 2019*, Goa, India. Chapter in book: Sahay S., Goel N., Patil V., Jadhwal M. (eds) SKM 2019. Communications in Computer and Information Science, vol 1186 (pp. 167-181). Springer, Singapore. https://doi.org/10.1007/978-981-15-3817-9_10

Thi Tran, Rohit Valecha, Paul Rad, Raghav H. Rao. (2020). Misinformation in Crises: A Conceptual Framework for Examining Human-Machine Interactions. *2020 IEEE / ITU International Conference on Artificial Intelligence for Good (AI4G)*, Geneva, Switzerland, 2020, pp. 46-50, doi: 10.1109/AI4G50087.2020.9311010.

Thi Tran, Rohit Valecha, Paul Rad, & Raghav H. Rao. (2019). Misinformation Harms During Crises: When The Human And Machine Loops Interact. *Proceedings of the 2019 IEEE International Conference on Big Data (Big Data)*, Los Angeles, CA, USA, 2019, pp. 4644-4646, doi: 10.1109/BigData47090.2019.9005561.

Thi Tran, Rohit Valecha, Paul Rad, & Raghav H. Rao. (2019). Taxonomy of (Mis)Information Harms in Humanitarian Crises. *Proceedings of the American Conference of Information Systems 2019*, Cancun, Mexico. 92. <https://aisel.aisnet.org/amcis2019/treo/treos/92>

*Note: *: Denoting student authors. **: Denoting student authors at publication time, now graduated.*

UNDER REVIEW CONFERENCE MANUSCRIPTS

Minh Nguyen, Hiep Dang, Jaekon Jung, **Thi Tran**. (Under review). Effects of Cybersecurity Readiness on Firm Performance: Evidence from Conference Calls. *Hawaii International Conference on System Sciences (HICSS 2026)*, Maui, Hawaii, USA, January 6 – 9, 2026.

WORK IN PROGRESS

Sumantra Sarkar, **Thi Tran**, Yu Chen. Digital Twins – A Design To Strengthen Metaverse Applications. (*Manuscript preparation, targeting Journal of Management Information Systems - JMIS*).

Thi Tran, Rohit Valecha, & Raghav H. Rao. False Claims Hurt: Examining Perceptions of Misinformation Harms during Black Lives Matter Movement. (*Manuscript preparation*).

Thi Tran, & Kim Kwang Raymond Choo. Applying Blockchain Technology in Fighting Fake News: A Survey. (*Manuscript preparation*).

Thi Tran. Blockchain Applications to Fight Fake News: An Applicability and Acceptance Investigation. (*Data collection*).

Thi Tran, & Paul Rad. Human – Machine Interactions in Fake News Era: A Proposed Multidimensional System of An Integrated Machine Learning and Behavioral Approach. (*Project in progress*).

Thi Tran, Anh Dang, Oluwafemi Akanfe, & Anuradha Roy. Examining Affecting Factors on the Trustworthiness and the Legitimacy of HYIP Websites. (*Manuscript preparation*).

AWARDED RESEARCH GRANTS

Co-PIs: Yu Chen, **Thi Tran**, Seden Akcinaroglu and Ekrem Karakoc. (**Approval: April 26, 2024**). “Digital Echo Chambers: Parasocial Interactions and Their Role in Radicalizing Narratives”. 2024-25 *Transdisciplinary Area of Excellence Seed Grant Award*. By Binghamton University’s Provost and Data Science Transdisciplinary Area of Excellence (TAE) committee. Amount awarded: \$13,000.

Awarded Federal Research Grant: National Science Foundation (NSF) Doctoral Dissertation Grant. (*Approval: November 2021; Released date: February 2022, Extended until: February 2024*). PI: Raghav H. Rao; Co-PI: Rohit Valecha, & **Thi Tran**. “DDRIG in DRMS: COVID Vaccine Misinformation Harms: An Investigation of Harm Perceptions and Related Harm Communications on Social Media.” *By: National Science Foundation (NSF) – Decision, Risk, and Management Science (DRMS) Doctoral Dissertation Research Improvement Grants (DDRIGs)*. Amount awarded: \$29,850.

IN PROGRESS COLLABORATIVE RESEARCH GRANT PROPOSALS

Co-PIs: Seden Akcinaroglu, Ekrem Karakoc, Yu Chen, **Thi Tran**. (**Revising for Resubmission, with minor comments**). Digital Echo Chambers: Parasocial Interactions and Their Role in Radicalizing Narratives. *Invited proposal after screening white page*, submitted to: Department of Defense (DOD) Minerva Research Initiative’s University Research. Funding opportunity number: HQ003424NFOEASD02. Requested amount in 3 years: \$692,103. New target: \$1,500,000.

PI: Seden Akcinaroglu; Co-PIs: Yu Chen, Ekrem Karakoc, and **Thi Tran**. (**Revising for Resubmission**). “The Invisible Weapon: A Comprehensive Study of Misinformation in Conflicts Across Nations”. *National Science Foundation (NSF) – Security Preparedness Program (SPP) proposal*. Submitted: August 12, 2023. Proposed timeline: Feb. 2024 – Feb. 2027. Requested grant: \$1,291,964.

PI: Jinglu Jiang; Co-PI: Xuecong Lu; Senior Personnel: Surinder Kahai and **Thi Tran**. (**Revising for Resubmission**). “Empowering Users Information Validation Combat Misinformation with Attentional-Control-Based Nudging in Fact-Checkers”. *National Science Foundation (NSF) research proposal*. Submitted: August 21, 2023. Proposed timeline: Jan. 2024 – Dec. 2026. Requested grant: \$570,459.

Surinder Kahai, Jinglu Jiang, **Thi Tran**. (**Revising for Resubmission**). “Engaging Users in Fact-Checking: An Attentional Control Perspective to Reduce Misinformation Harms”. *Meta Research - 2022 Foundational Integrity Research request for proposals*. (*Submitted: November 2022*). *Current status: Inviting new Co-PIs from MIS BU team, revising and targeting NSF research grants*.

PI: Yu Chen; Co-PIs: David Klotzkin, Xiaohua Li, Guanhua Yan, and Wenfeng Zhao; Senior Personnel: Sumantra Sarkar, Ekrem Karakoc, Seden Akcinaroglu, and **Thi Tran**. (**Revising for Resubmission**). “MRI: Track 2 Development of an Integrated Terahertz Quantum Secured Edge Network (I-TeQ) Testbed”. *National Science Foundation (NSF) research proposal*. Submitted: Feb 22, 2023. Proposed timeline: Oct. 01, 2023 – Sept. 30, 2026. Requested grant: \$2,600,000.

Co-PIs: **Thi Tran**, Rohit Valecha, and H. Raghav Rao. (**Revising for Resubmission**). “EARly-concept Grants for Exploratory Research (EAGER): Developing a Training Curriculum for Online Health-Related Misinformation Harms”. *National Science Foundation (NSF) - Secure and Trustworthy Cyberspace (SaTC) program*. Educational funding, in response to the Dear College Letter (DCL) NSF 23-091 - Supporting Cybersecurity & Privacy Education and Workforce Development. Submitted: May 2023. Requested grant: \$300,000 in two years.

Co-PIs: Yu Chen, **Thi Tran**, Sumantra Sarkar, Zeynep Ertem. **(Revising for Resubmission)**. HFRG: Virtual Community Healthcare for Senior Safety in the Metaverse Era. *S.H. Ho Foundation Research Grants (HFRG)* for Health Sciences and Technology. Submitted: October 30, 2023. Requested grant: \$174,480.

Co-PIs: Seden Akcinaroglu, Yu Chen, Ekrem Karakoc, and **Thi Tran**. **(Revising for Resubmission)**. PARG: Fostering Equity: An Interdisciplinary Study on the Impact of Misinformation in Refugee-Host Settings. *Binghamton University's Provost Awards for Research Grants in Justice, Human Rights, and Equity*. Submitted: October 27, 2023. Requested grant: \$40,000.

Co-PIs: **Thi Tran**, H.R. Rao, Rohit Valecha. **(In progress)**. "Investigating The Consequences of Social Media Misinformation During Emergencies: The Role Of Expressed Perceptions, Sufferings and Decisions". In preparation for: *Secure and Trustworthy Cyberspace (SaTC) program*. By: National Science Foundation. Requesting grant: \$600,000.

Co-PIs: **Thi Tran**, Rohit Valecha, Raghav H. Rao. **(In progress)**. Examining Structural And Sentimental Inconsistencies: A Corroboration Theory Approach To Vaccine Misinformation Detection. *(To be submitted to National Health Institute (NIH) – Center for Diseases Control (CDC) for research grant)*.

Co-PIs: **Thi Tran**, Zeynep Ertem, Sumantra Sarkar. **(In progress)**. "Investigating The Public Compliance And Effectiveness Of Health Guidelines During Health Crises: A Multi Crises Study Across Counties In The United States". In preparation for: *CDC- Centers for Disease Control and Prevention, or: NIH – National Institute of Health* (to be decided). Requesting grant: To be decided.

Co-PIs: **Thi Tran**, Sumantra Sarkar, Subimal Chatterjee. **(In progress)**. "Examining Antecedents of Public Reactions facing Data Breach Incidents from S&P500 Corporates". In preparation for: *National Science Foundation funding* (to be decided). Requesting grant: To be decided.

Co-PIs: **Thi Tran**, Sumantra Sarkar, Yu Chen, Zeynep Ertem. **(In progress)**. "Investigating The Applications of Blockchain Technologies to Fight Misinformation Online". In preparation for: *National Science Foundation funding* (to be decided). Requesting grant: To be decided.

Co-PIs: **Thi Tran**, Sumantra Sarkar, Yu Chen, Zeynep Ertem. **(In progress)**. "Implementing Generative AI to Handle Flows of Misinformation and Counter-Misinformation Online – A Case of ChatGPT". In preparation for: *National Science Foundation funding* (to be decided). Requesting grant: To be decided.

Co-PIs: **Thi Tran**, Sumantra Sarkar, Yu Chen, Zeynep Ertem. **(In progress)**. "Examining The Mechanism of Misinformation – True Information Transformation Online". In preparation for: *National Science Foundation funding* (to be decided). Requesting grant: To be decided.

OTHER RESEARCH GRANT PROPOSALS AND COLLABORATIONS EFFORTS

Co-PIs: Seden Akcinaroglu, Yu Chen, Ekrem Karakoc, **Thi Tran**. "Understanding and Deterring Dis/Misinformation in Post-Truth Era". *Center of Excellence in Data Science (CoE) Proposal*. Collaboration between Binghamton University and University of Rochester. Submitted: April 2023. Requested grant: \$60,000.

Co-PIs: H.R. Rao, Rohit Valecha, **Thi Tran**. "Online Social Media Misinformation About Vaccines During Health Crises: A Comparative Analysis of Public Reactions, Perceptions of Harms, Trust and Personal Biases in the US and India". *Meta Research - 2022 Foundational Integrity Research request for proposals*. (Submitted: November 2022). Organized by Meta Corporate (former Facebook). Requested grant: \$100,000.

H. R. Rao (PI), Rohit Valecha, Govind Hariharan, Rahul De, & **Thi Tran** (Co-PIs), in Collaboration with Boom (Indian fact-checker). "The Impact of Authoritative Sources and Fact-Checking on Perceptions of Misinformation Harms in India". *Facebook Research Grant Proposal*. (Submitted: November 2021). Joint

project among The University of Texas at San Antonio, Kennesaw State University, Indian Institute of Management – Bangalore, and Boom Factchecker. Requested grant: \$100,000.

H. R. Rao (PI), Rohit Valecha, Edward Golob, David Han, Govind Hariharan, Hazel Kwon, & **Thi Tran** (Co-PIs). “Collaborative: IIS-HCC: A Socio-Technical Investigation of Older Adults: Assessment of Misinformation Harms in Computer-Mediated Communication Networks under Humanitarian Crises”. *National Science Foundation (NSF.) Research Grant Proposal. (Submitted: May 2021)*. Joint project among The University of Texas at San Antonio (Department of Information Systems and Cyber Security, Department of Management Science and Statistics, and Department of Psychology), Kennesaw State University (Department of Economics, Finance, and Quantitative Analysis), and Arizona State University (School of Human Communication). Requested grant: \$1,000,000.

PROFESSIONAL SERVICES

Invited Advisor and Collaborator with the AI Potentials in Business and Economics Research Lab, by the Chair of the Department of Information Systems, University of Economics and Law, Ho Chi Minh City, Vietnam (one of the leading National Universities in Vietnam). Starting November 2024.

Current tasks: Invited Cybersecurity and AI Expert Talk, collaborating in National research grants (between the US and Vietnam governments, spanning across different Universities in Vietnam).

Invited Editorial Board Member of Decision Support Systems (DSS) Journal by Elsevier publisher (Q1, 7.5 Impact Factor, 12.5 Cite Score, H-index 180), Special Issue of Bright Internet, July 2023. <https://www.sciencedirect.com/journal/decision-support-systems>

Invited Co-Coordinating Editor of 2 Cyber Security research papers at Information Systems Frontiers journal by Springer publisher (Q1, 2023 Scopus Impact Factor 6.814, H-index 79). <https://www.springer.com/journal/10796>

Invited Administrative Supports for Information Systems Research (ISR) Journal’s Special Issue “Preparedness and Response in the Century of Disasters: Overview of Information Systems Research Frontiers”, online record (published January 2024): <https://pubsonline.informs.org/doi/epdf/10.1287/isre.2024.intro.v35.n2>. Full document citation: Abbasi, A., Dillon, R., Rao, H. R., & Liu Sheng, O. R. (2024). Preparedness and Response in the Century of Disasters: Overview of Information Systems Research Frontiers. *Information Systems Research* journal, 35(2), 460-468.

Invited Program Committee member, Bright Internet Global Symposium (BIGS) 2023 Virtual Workshop, December 8, 2023. Pre-ICIS (International Conference on Information Systems), Hyderabad, India, December 2023. <http://brightinternet.org/>

Invited Technical Program Committee member, International Conference on Secure Knowledge Management, September 22 – 23, 2023, Tempe, Arizona, USA. <https://www.secure-km.org/committee/>

Ad-hoc journal reviewer: 1 Journal of the Association of Information Systems (JAIS) paper (2023); 1 Information and Management (I&M) Journal paper (2024); 2 Decision Support Systems (DSS) journal papers (2024); 7 Information Systems Frontiers journal papers (2021, 2023, 2024); 2 IEEE Transactions on Big Data Journal papers (2024); 1 Communications of the Association for Information Systems (CAIS) journal paper (2024); 2 IEEE Transactions on Engineering Management (IEEE TEM) Journal paper (2023); 2 Computational and Mathematical Organization Theory Journal papers (2022 – 2023).

Ad-hoc conference reviewer: 1 paper at ICIS Health Information Technology Symposium (2024), 4 papers at IFIP WG8.11/WG11.13 Conference on Information Systems Security Research (2021, 2023 and 2024), 3 papers at Hawaii International Conference on System Sciences (HICSS) (2021 and 2022).

Ad-hoc workshop reviewer: 5 papers at Pre-ICIS Workshop on Information Security and Privacy (WISP) (in 2021, 2023 and 2024); 2 papers at M.I.S. Quarterly Author Development Workshop (2021).

Volunteer: IFIP WG8.11/WG11.13 Conference on Information Systems Security Research (2021); UTSA Workshop for ISR Special Issue on: Unleashing the Power of IT for Strategic Management of Disasters (2021).

Session Chair of The Social Media and Networking TREO Session: American Conference of Information Systems (AMCIS) 2019, Cancún, Mexico.

Moderator of “Ph.D. in US” Facebook group for Ph.D. applications and admissions information at US Universities (<https://www.facebook.com/groups/707206596090136>). Total members as of September 2023: around 33,100 members.

INSTITUTIONAL SERVICES

1 of 4 Executive Members of the approved Security, Technology, and Policy Solutions (STEPS) Research Center within the forthcoming Institute for Artificial Intelligence and Society (IAIS), Binghamton University. With 3 other members from Electrical and Computer Engineering Department at Watson School of Engineering (Professor Yu Chen) and Political Science Department at Harpur College (Professor Seden Akcinaroglu and Professor Ekrem Karakoc). In charge of 1 of 2 chosen research projects of the IAIS, sharing the awarded \$1.4 million funding for State University of New York institutions from New York State Governor. **Topic:** detecting and handling extremism and antisemitism messages online. Starting from Spring 2025.

Participated in the Fall 2024 and Fall 2025 **Faculty Search Committee** for tenure track Assistant Professor of Management Information Systems.

1 of 4 Executive Members of the Proposed **Institute for Socio-Technical Evolution, Policy, and Security (STEPS)**. With Yu Chen (Electrical and Computer Engineering), Seden Akcinaroglu and Ekrem Karakoc (Political Science). Progress: Established Research Center and in progress official website building. Institute proposal resubmission in progress for Academic Year 2025.

Organized **Research Talk:** “*Lessons on Research Proposal Writings*”. (2023). By: Professor Yu Chen, Department of Electrical and Computer Engineering, 09/29/2023. Audiences: Management Information Systems Faculty, School of Management, Binghamton University, SUNY.

Volunteered for SOM Commencements, Stage faculty. Sunday, May 14, 2023; Friday, May 10, 2024.

Volunteered for SOM Day of Service activity participation, activity in conjunction with VINES (volunteers improving neighborhood environments). Friday, April 21, 2023.

Contributed to the Ph.D. in MIS planning, Fall 2022.

2023 – 2024 Committee Assignments for School of Management, Binghamton University, SUNY: Members of Technology Strategy Committee, and Undergraduate Programs Committee.

INVITED TALKS

Thi Tran (2024). Cultural issues of heritage languages of Asian Americans. Invited talk and discussion with students about cultural issues of adapting Vietnamese and American traditions at the College of Fine Arts. Organized by Chenqing Song, The Linguistics Program; Department of Asian and Asian American Studies, Translation Research and Instruction Program (TRIP).

Thi Tran (2024). Cyber Security Research in Information Systems Lense. *Invited talk at the University of Wyoming*, by Professor Shivanand Venkanna Sheshappanavar (specialized in 3D Computer Vision and Deep Learning). Department of Electrical Engineering and Computer Science, College of Engineering & Physical Sciences, November 2024.

Thi Tran (2024). Political Science Guest Talk: The Pandemic, Technologies and Crisis Communication. *Invited talk in Political Science Course about Political Conflicts* on 04/11/2024 by Professors Seden Akcinaroglu and Ekrem Karakoc. Binghamton University, Harpur College.

Thi Tran (2023). Information Systems Lenses of Social – Cybersecurity Issues. *Invited Talk within Binghamton University's Cybersecurity Briefing Session 2*, VSU (Virginia State University) Cybersecurity Team Visiting, September 25, 2023. Hosted by: Professor Yu Chen, Department of Electrical and Computer Engineering, Binghamton University.

Thi Tran (2024). Invited Hybrid (On-site and Online) International Academic Talk: “Current Stage and Future of IT Related Disciplines in Studying Abroad in the USA”. Hosted by Educas Study Abroad Company, Ho Chi Minh City, Vietnam. June 30, 2024. Online records <https://www.facebook.com/share/v/yopcVRSp99h66oye/>

Thi Tran (2024). Invited Hybrid (On-site and Online) International Academic Talk: “Questions and Answers of IT Related Disciplines in Studying Abroad in the USA”. Hosted by Educas Study Abroad Company, Ho Chi Minh City, Vietnam. August 02, 2024. Online records <https://www.facebook.com/share/v/W2vqqb3mScVmAcdt/>

Thi Tran (2023). Invited Hybrid (On-site and Online) International Academic Talk: “Difference Aspects of Study Abroad in STEM Fields To Support Vietnamese Potential International Students in USA”. Hosted by Educas Study Abroad Company, Ho Chi Minh City, Vietnam. July 21, 2023. Topics: Ph.D. admissions, Academic career paths, Ph.D. recruitment, STEM majors, Management Information Systems discipline, and Computer Science discipline. Audiences: around 200 people (incoming US students and / or their parents). <https://www.facebook.com/duhoceducas/videos/288184300536023>

Thi Tran (2023). Dual Reactions To Vaccine Misinformation: An Investigation Of The Impact Of Beliefs And Perceived Harms On Vaccination Acceptance And Misinformation Sharing. *Interdisciplinary Talk Series for Fall 2023* at School of Management, Binghamton University, SUNY.

Thi Tran (2022). Machine and Human Roles for Mitigation of Misinformation Harms during Crises: An Activity Theory Conceptualization and Validation. *First TAE Data Salon Session, 10/14/2022*. Organized by TAE Data Science Organization, Binghamton University.

MENTORING STUDENTS

Mentoring 4 volunteer Master of Computer Science students for Computer Science – Information Systems research. Binghamton University, SUNY. Summer to Fall semester, 2024.

Guiding and collaborating with 25 Vietnamese students for PhD funded admissions within Information Systems – Cyber Security - Computer Science domains.

Uma Bhargavi Kancherla. From Fall 2024 till Present. MS in Computer Science, Watson School of Engineering, Binghamton University, SUNY. Recruited Graduate Research Assistant, specialized in Cybersecurity Research, Machine Learning – AI, Website building, Data mining.

Group of recently recruited Research Assistants (From Summer 2024 till Present): Huan Nguyen (Pursuing MS Computer Science, Maharishi International University, Iowa); An Vu-Minh (Department of Mathematical Economics, College of Technology, National Economics University, Hanoi, Vietnam); Duc-Viet Hoang (Faculty of Information Technology, University of Science, Vietnam National University, Ho Chi Minh City, Vietnam). Project leaders of nearly 10 projects about Applied e-government management; Online misinformation conversations surrounding Hamas – Israel war; National privacy laws and issues; Fake news detection using AI algorithms and automation; Applied Blockchain technologies in fighting misinformation; Dark web; Social engineering attacks, and others.

Bao Do. From Summer 2023 till Present. Bachelor of Information Technology specialized in Data Science graduate, Ho Chi Minh City University of Information Technology (UIT), Vietnam. Involved in 2 NSF grant proposals and more than 10 Cyber Security research projects about Applied e-government management; Online misinformation conversations surrounding Hamas – Israel war; National privacy laws and issues; Russian – Ukraine war; S&P 500 companies' Data Breaches; Applied Blockchain technologies in fighting misinformation; Dark web; Social engineering attacks, and others.

Sathwik Krishtipati. From Spring 2023 till Present. MS in Computer Science, Watson School of Engineering, Binghamton University, SUNY. Recruited Graduate Research Assistant, involved in 3 different Cyber Security research projects.

Hrishitva Patel. Fall 2022. Previous position: MS in Computer Science, Watson School of Engineering, Binghamton University, SUNY. Graduate Research Assistant, involved in 1 NSF funded research project about Misinformation Harms, and 1 Data Breach research project. Current position: fully funded Ph.D. in Information Technology student at The University of Texas at San Antonio.

SELECTED FEATURED MEDIA COVERAGE

Anthony Borrelli. (2025). “Caught in a social media echo chamber? AI can help you out, new study shows”. *BingUNews*, July 17, 2025. <https://www.binghamton.edu/news/story/5680/clickbait-social-media-echo-chamber-misinformation-new-research-binghamton>

Brianna Monsanto (2025). “Cybersecurity experts share the things they wish the industry would leave in the past”. *IT Brew, Cybersecurity*, July 9, 2025. <https://www.itbrew.com/stories/2025/07/09/cybersecurity-experts-share-the-things-they-wish-the-industry-would-leave-in-the-past>

Daniel Curren. (2025). “Parents raise concerns with growth in AI access”. *WBNG News*, Apr. 14, 2025. <https://www.wbng.com/2025/04/14/parents-raise-concerns-with-growth-ai-access/>

Autriya Maneshni. (2025). “Binghamton University cybersecurity expert speaks on Signal app after Trump Officials’ misstep”. *WBNG News*, Mar. 26, 2025. <https://www.wbng.com/2025/03/27/binghamton-university-cybersecurity-expert-speaks-signal-app-after-trump-officials-misstep/>

Erica Sweeney. (2024). “A recent study suggests companies are vulnerable to cyberattacks after layoffs. Here's how they can avoid costly data breaches.” *Security Playbook Section, Business Insider*, Sep 3, 2024. <https://www.businessinsider.com/how-companies-can-respond-to-cybersecurity-risks-after-layoffs-2024-9>

Ray Fernandez. (2024). “Why Microsoft is Deploying Honeypots to Catch Threat Actors?”. *Techopedia, Cybersecurity News, Cyber Threats*, 27 October 2024. <https://www.techopedia.com/why-microsoft-is-deploying-honeypots-to-catch-threat-actors>

Billy Hurley. (2024). “Binghamton team looks for correlation between layoffs and data loss”. *IT Brew, IT Strategy Section*, August 19, 2024. <https://www.itbrew.com/stories/2024/08/19/binghamton-team-looks-for-correlation-between-layoffs-and-data-loss>

Anthony Borrelli. (2024). “Are mass layoffs and data breaches connected? Binghamton University researchers have a theory”. *BingUNews*, July 11, 2024. <https://www.binghamton.edu/news/story/5024/layoffs-data-breaches-cybersecurity-risk-business-research-binghamton-university>

Academic Minute Podcast, Information Science (04/10/2024). “**Thi Tran, Binghamton University – Creating Tools to Better Track Online Misinformation**”. Broadcasted by more than 70 news stations associated with the NPR network across the US and Canada. <https://academicminute.org/2024/04/thi-tran-binghamton-university-creating-tools-to-better-track-online-misinformation/>. Featured by SOM, reposted by The American Association of Colleges and Universities (AAC&U), Insight Higher Eds, among others: <https://www.aacu.org/podcasts/academicminute/2024-04-thi-tran-binghamton-university-creating-tools->

to-better-track-online-misinformation: <https://www.insidehighered.com/podcasts/academic-minute/2024/04/09/creating-tools-better-track-online-misinformation>.

Anthony Borrelli. (2024). "How can extreme views spread, influence opinion? Binghamton researchers have the answer". *BingUNews*, March 25, 2024. <https://www.binghamton.edu/news/story/4819/how-can-extreme-views-spread-influence-opinion-binghamton-university-researchers-have-the-answer>.

Anthony Borrelli. (2023). "Fighting Fake News: Research Helps Content Creators Reduce Harms From Misinformation". *BingUNews*, July 31, 2023. <https://www.binghamton.edu/news/story/4432/fighting-fake-news-research-uses-machine-learning-blockchain-to-counter-misinformation>.

Steve Fink. (2024). "Data breaches linked to mass layoffs: How corporate cuts could cause cybersecurity crisis. Research led by **Thi Tran, Binghamton University**". *Study Finds*, Jul 23, 2024. <https://studyfinds.org/data-breaches-linked-to-mass-layoffs/>

Sascha Brodsky. (2023). "How AI Could Help Protect Against the Spread of Misinformation". *Yahoo! News, LifeWire*, August 8, 2023. <https://www.yahoo.com/lifestyle/ai-could-help-protect-against-131210520.html>.

"Machine learning, blockchain technology could help counter spread of fake news." *ScienceDaily*. ScienceDaily, 1 August 2023. <https://www.sciencedaily.com/releases/2023/08/230801172011.htm>.

ACM News. (2023). "Machine Learning, Blockchain Technology Could Help Counter Spread of Fake News". *Communications of the ACM*, August 2, 2023. <https://cacm.acm.org/news/275181-machine-learning-blockchain-technology-could-help-counter-spread-of-fake-news/fulltext>

"Machine learning, blockchain technology could help counter spread of fake news". *Science Magazine, Science News, Mathematics*, August 1, 2023. <https://scienmag.com/machine-learning-blockchain-technology-could-help-counter-spread-of-fake-news/>

"Machine learning, blockchain technology could help counter spread of fake news". *Bioengineer, Science News*, August 1, 2023. <https://bioengineer.org/machine-learning-blockchain-technology-could-help-counter-spread-of-fake-news/>

Tatang Mulyana Sinaga. (2023). "Machine Learning Mitigates the Spread of Fake News". *Kompas News, Jakarta, Indonesia, Digital Technology section*, 02 August 2023. <https://www.kompas.id/baca/english/2023/08/02/en-mesin-pembelajar-memitigasi-penyebaran-kabar-bohong>

Editor's Note. (2023). "Fighting fake news: Research offers solutions through machine learning, blockchain". *Tech Xplore, Machine Learning and AI News*, July 31, 2023. <https://techxplore.com/news/2023-07-fake-news-solutions-machine-blockchain.html>

Tech Desk. (2023). "How Machine Learning and Blockchain Technology Can Crush Fake News". *Comsmag, Technology News*, August 1, 2023. <https://www.compsmag.com/news/how-machine-learning-and-blockchain-technology-can-crush-fake-news/>

Editah Patrick. (2023). "Utilizing Artificial Intelligence to Safeguard Against the Propagation of Misinformation". *Cryptopolitant News, AI – Trending News*, August 8, 2023. <https://www.cryptopolitan.com/artificial-intelligence-misinformation/>

HONOR(S) AND AWARD(S)

Outstanding Doctoral Student Research Paper Award to **Thi Tran**. (*Awarded: December 12, 2021*). For paper: "User Engagement and Uncertainty from COVID-19 Misinformation on Social Media: An Examination of Emotions and Harms". By: *Pre-ICIS 2021 Workshop on Information Security and Privacy (WISP 2021), AIS SIGSEC (Special Interest Group on Information Security and Privacy)*. Amount: \$1,000.

Oustanding Reviewer Award. **(2024)**. *Pre-ICIS 2024 Workshop on Information Security and Privacy (WISP 2024)*, *AIS SIGSEC (Special Interest Group on Information Security and Privacy)*.

PROFESSIONAL MEMBERSHIPS

Association of Information Systems, AIS. SIGs: Artificial Intelligence & Autonomous Application, AIS. SIGs: Decision Support and Analytics (SIG DSA), AIS. SIGs: Information Quality (SIG IQ), AIS. SIGs: SIG SEC (Security).

IEEE Computational Intelligence Society, IEEE Young Professional, IEEE Computer Society, IEEE Information Theory Society.

SKILL SETS

Research Tools: SPSS - AMOS, Tableau, Python, R, STATA, S.A.S., SmartPLS, Advanced MS Excel.

Key Research Methodologies: Surveys, experiments, behavioral analyses, social media data mining (on Twitter – X, Reddit, YouTube and Facebook), sentiment analyses, natural language processing, structural equation modelling, quantitative and qualitative studies, longitudinal studies, applied neuroscience in Information Systems research.

Analytics: SAS Enterprise Miner - GUI, R programming, python: Data cleansing, plotting, and analysis. Specialized: Machine Learning - Unsupervised Learning (association rule mining, clustering), Supervised Learning (linear/logistic regression, classification - decision tree/random forest, artificial neural network), Text Analytics / Natural Language Processing, Sentiment Analysis (R, python, LIWC22 and NRC), Topic Modeling, Big Data Analytics.

Data Visualization: Tableau, R Studio - ggplot2 / qplot / R Shiny, d3.js, python.

Database Management: Dimensional Modelling - ERWin, SQL Server, Snowflake Schemas.

Programming: Python, R, Stata, SAS. Base, SPSS, Java, Javascript, SQL, Scala.

Project Management: MS Project Professional 2016, Gantt Chart, Earned Value Management, SDLC, Waterfall/Agile-Scrum, Agile-Planning Poker, UML diagrams, Requirement analysis.