CURRICULUM VITAE – Xuecong Lu

Contact:

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EMPLOYMENT

2023-Present	Department of Information Security and Digital Forensics, Massry School of Business, University at Albany Tenure-Track Assistant Professor	U.S.
2020-2023	DeGroote School of Business, McMaster University Postdoctoral Fellow in MIS	Canada
2019-2020	Department of Information Engineering, University of Montreal Research Scientist in *Artificial intelligence*	Canada

EDUCATION

2015-2019	University of Montreal Ph.D. in *Information Engineering*	Canada
2012-2015	The Hong Kong Polytechnique University M. Phil. of *Information Engineering*	Hong Kong, SAR of China

RESEARCH INTERESTS

- Dark-Sides of Digitalization.
- Information Security
- AI Agents and Team Collaboration

JOURNAL PUBLICATIONS

1. **Lu, X.,** Jiang, J., Head, M., Kahai, S. S., & Yang, J. (2024). Synergistic impacts of online and offline social participation on older adults' subjective well-being: evidence from the Canadian Longitudinal Study on Aging. ***European Journal of Information Systems (ABDC Journal Ranking: A+, Impact factor 9.5)***, 33(5), 699-716.
2. Goodarzi, S., Jiang, J., Head, M., & **Lu, X.** (2023). Exploring the impact of online social participation on loneliness in older adults: Evidence from The Canadian Longitudinal Study on Aging. ***International Journal of Information Management (ABDC Journal Ranking: A+, Impact factor 20.1)***, *73*, 102685.
3. Delafontaine-Martel, P., Zhang, C., **Lu, X.,** Damseh, R., Lesage, F., & Marchand, P. J. (2023). Targeted

capillary photothrombosis via multiphoton excitation of Rose Bengal. ***Journal of Cerebral Blood Flow & Metabolism (Q1, Impact factor 6.1)***, *43*(10), 1713-1725.

4. **Lu, X.,** Jiang, J., Head, M., & Yang, J. (2022). The impact of linguistic complexity on leadership in online Q&A communities: Comparing knowledge shaping and knowledge adding. ***Information & Management (ABDC Journal Ranking: A+, Impact factor 10.3)***, *59*(6), 103675. *59*(6), 103675.

5. Damseh, R., Lu, Y., **Lu, X.,** Zhang, C., Marchand, P. J., Corbin, D., ... & Lesage, F. (2021). A simulation study investigating potential diffusion-based MRI signatures of microstrokes. ***Scientific Reports (Nature group article, Impact factor 4.3),*** *11*(1), 14229.

6. Marchand, P. J., **Lu, X.,** Zhang, C., & Lesage, F. (2020). Validation of red blood cell flux and velocity estimations based on optical coherence tomography intensity fluctuations. ***Scientific Reports (Nature group article, Impact factor 4.3),*** *10*(1), 19584.

7. Moeini, M., Cloutier-Tremblay, C., **Lu, X.,** Kakkar, A., & Lesage, F. (2020). Cerebral tissue pO2 response to treadmill exercise in awake mice. ***Scientific Reports (Nature group article, Impact factor 4.3),*** *10*(1), 13358.

8. Lu, Y., **Lu, X.,** Zhang, C., Marchand, P. J., & Lesage, F. (2020). Longitudinal optical coherence tomography imaging of tissue repair and microvasculature regeneration and function after targeted cerebral ischemia. ***Journal of Biomedical Optics (Impact factor 3.5),*** *25*(4), 046002-046002.

9. **Lu, X.,** Moeini, M., Li, B., de Montgolfier, O., Lu, Y., Bélanger, S., ... & Lesage, F. (2020). Voluntary exercise increases brain tissue oxygenation and spatially homogenizes oxygen delivery in a mouse model of Alzheimer's disease. ***Neurobiology of Aging (Impact factor 5.1),*** *88*, 11-23.

10. **Lu, X.,** Moeini, M., Li, B., Thorin, E., & Lesage, F. (2020). Hypertension accelerates cerebral tissue PO2 disruption in Alzheimer's disease. ***Neuroscience Letters (Impact factor 2.5),*** *715*, 134626.

11. **Lu, X.,** Moeini, M., Li, B., Lu, Y., Damseh, R., Pouliot, P., ... & Lesage, F. (2019). A pilot study investigating changes in capillary hemodynamics and its modulation by exercise in the APP-PS1 Alzheimer mouse model. ***Frontiers in Neuroscience (Impact factor 3.2),*** *13*, 1261.

12. Lu, Y., Zhang, C., **Lu, X.,** Moeini, M., Thorin, E., & Lesage, F. (2019). Impact of atherosclerotic disease on cerebral microvasculature and tissue oxygenation in awake LDLR−/− hApoB+/+ transgenic mice. ***Neurophotonics (Impact factor 4.8),*** *6*(4), 045003-045003.

13. <u>Li, B., **Lu, X.,**</u> Moeini, M., Sakadžić, S., Thorin, E., & Lesage, F. (2019). Atherosclerosis is associated with a decrease in cerebral microvascular blood flow and tissue oxygenation. ***PloS One (impact factor 3.7),*** *14*(8), e0221547. (Equal contribution as first author)

14. Moeini, M., **Lu, X.,** Bélanger, S., Picard, F., Boas, D., Kakkar, A., & Lesage, F. (2019). Cerebral tissue pO2 response to stimulation is preserved with age in awake mice. ***Neuroscience Letters (Impact factor 2.5),*** *699*, 160-166.

15. Zhang, C., Tabatabaei, M., Belanger, S., Girouard, H., Moeini, M., **Lu, X.,** & Lesage, F. (2019). Astrocytic endfoot Ca2+ correlates with parenchymal vessel responses during 4-AP induced epilepsy: An in vivo two-photon lifetime microscopy study. ***Journal of Cerebral Blood Flow & Metabolism (Impact factor 6.1),*** *39*(2), 260-271.

16. **Lu, X.,** Moeini, M., Li, B., Lu, Y., Damseh, R., Pouliot, P., ... & Lesage, F. (2019). Effect of exercise on capillary red blood cell dynamics in transgenic ad mice. ***Journal of Cerebral Blood Flow & Metabolism (Impact factor 6.1),*** *39*, 319-320.

17. Moeini, M., **Lu, X.,** Avti, P. K., Damseh, R., Bélanger, S., Picard, F., ... & Lesage, F. (2018). Compromised microvascular oxygen delivery increases brain tissue vulnerability with age. ***Scientific Reports (Nature group article, Impact factor 4.3),*** *8*(1), 8219.

18. Moeini, M., **Lu, X.,** Lam, T., Belanger, S., Kakkar, A., & Lesage, F. (2017). Brain tissue oxygenation changes with age in awake mice. ***Journal of Cerebral Blood Flow & Metabolism (Impact factor 6.1),*** *37*(S1), 57-58.

CONFERENCE PROCEEDINGS

19. Yang, M., **Lu, X.,** Head, M. "Unveiling the Illusion: Generative Artificial Intelligence Disclosure Strategies and Consumer Responses" <u>American Conference on Information Systems (AMCIS)</u>, Aug 14 - Aug 16, 2025, Montreal, Canada.

20. Yang, J., **Lu, X.,** Xie, Z., Liu, S. "Explaining AI in Autonomous Vehicles: A Path to Trust and Adoption" <u>American Conference on Information Systems (AMCIS)</u>, Aug 14 - Aug 16, 2025, Montreal, Canada.

21. Yang, J., **Lu, X.,** Head, M. "The Influence of Moral Values on Information Security Policy Compliance in AI-Monitored Environments" <u>American Conference on Information Systems (AMCIS)</u>, Aug 14 - Aug 16, 2025, Montreal, Canada.

22. Yang, M., **Lu, X.,** Head, M. "Unlocking Consumer Persuasion: Harnessing Similarity Attraction in GenAI Design" <u>Pre-International Conference on Information Systems, Human Computer Interaction workshop (Pre-ICIS HCI)</u>, December 15-18, 2024, Bangkok, Thailand.

23. **Lu, X.,** Jiang, J., Head, M., Dalmer, N., & Flynn, T. "Older Adults' Consumption of Fake News–An Interoceptive Perspective." <u>Pre-International Conference on Information Systems, Human Computer Interaction workshop (Pre-ICIS HCI)</u>, December 10-13, 2023, Hyderabad, India.

24. Yang, J., Qi, C., & **Lu, X.** "Review helpfulness as a function of discrete negative emotions and image colorfulness." <u>Pacific Asia Conference on Information Systems (PACIS)</u>, July 8-12, 2023, Nanchang, China.

25. **Lu, X.**, Jiang, J., Head, M., Yang, J. "Receiving Phishing Attacks When You Are Busy? The Impacts of Multitasking and Regulatory Fit on Phishing Vulnerability." <u>MIS Quarterly Author Development Workshop,</u> June 19, 2023, Virtual.

26. **Lu, X.**, Head, M., Yang, J., & Tariq, A. "An Investigation of Misinformation Susceptibility of Older Adults: A Persuasive Perspective." <u>Pre-International Conference on Information Systems, Human Computer Interaction workshop (Pre-ICIS HCI)</u>, December 9-14, 2022, Copenhagen, Denmark.

27. **Lu, X.**, Jiang, J., Head, M., & Yang, J. "A Systematic Review of Leadership in Online Communities: Social Leaders, Technical Leaders, and Impacts", <u>American Conference on Information Systems (AMCIS)</u>, Aug 10 - Aug 14, 2022, Minneapolis, U.S.A. (**Identified as Top 25% of Completed articles**)

28. **Lu, X.**, Head, M., & Yang, J. "Understanding Online Review Helpfulness: A Color Theory Perspective." <u>Pre-International Conference on Information Systems, Human Computer Interaction workshop (Pre-ICIS HCI)</u>, December 12-15, 2021, Austin, U.S.A. (**Best Talk Award**)

29. **Lu, X.**, Head, M., Jiang, J., & Yang, J. "An Investigation of the Interplay between Emotional Congruence and Regulatory Fit in Phishing Susceptibility." <u>European Conference on Information Systems (ECIS),</u> June 14 – 16, 2021, Virtual.

30. **Lu, X.**, Head, M., and Yang, J. "The Impacts of Individual Emotional state and Emotional Framing of Phishing Attack on Susceptibility to Phishing: An Emotional Congruence Perspective." <u>Pre-International Conference on Information Systems, Human Computer Interaction workshop (Pre-ICIS HCI),</u> December 13-16, 2020, Hyderabad, India.

31. Yang, J., Head, M., and **Lu, X.** " Enhancing Student Experience in Online Learning: A Social Capital Perspective." <u>Pre-International Conference on Information Systems, Human Computer Interaction workshop (Pre-ICIS HCI)</u>, December 13-16, 2020, Hyderabad, India.

TEACHING EXPERIENCE

Courses	Year (Evaluation)	Program
Multimedia Forensics BFOR*5363	Fall 2023 (4.50/5.0)	Undergraduate
Multimedia Forensics BFOR*9060	Fall 2023 (4.50/5.0)	Graduate
Multimedia Forensics BFOR*5633	Fall 2023 (4.57/5.0)	Graduate
Cyber Incident Response BFOR*8199	Spring 2024 (4.27/5.0)	Undergraduate
Cyber Incident Response BFOR*7497	Spring 2024 (4.88/5.0)	Undergraduate
Computer Forensics BFOR*9342	Fall 2024 (4.91/5.0)	Graduate
Cyber Incident Response BFOR*9002	Fall 2024 (4.69/5.0)	Undergraduate
Multimedia Forensics BFOR*8767	Spring 2025 (4.74/5.0)	Undergraduate
Multimedia Forensics BFOR*8770	Spring 2025 (5.0/5.0)	Graduate

Part of students' comments

"Professor Lu demonstrated strong subject knowledge and delivered course material in a clear and organized manner. Professor Lu was approachable and responsive to questions both during and outside of class. Assignments and assessments were fair and aligned with the course objectives. Overall, a very effective instructor who contributed positively to the learning experience."

"I highly recommend Professor Lu to any future students taking his course. He made the course extremely interesting and fun. I loved the projects he gave us to do because it put the lectures into a hands-on perspective. Professor Lu had been extremely helpful throughout the course, he was always available outside of class to help his students, he answered his emails right away, he also made sure his students had enough resources to help them succeed. He always sent out email reminders, so we know what the next step is. Overall, he is one of the best professors I have had the privilege to learn from. I wish I had taken more courses with him."

RESEARCH GRANTS APPLICATION AND PARTICIPATION

1. *Strengthening Human Resilience to Misinformation through Personalized AI Interaction.*
- CAREER Program, National Science Foundation. (Time period: 2026-2031 Submitted)
- Grant: 482,510 US Dollar
- Role: Principal Applicant

2. *Transforming Mental Health with Generative AI*
- WISH/Project SAGES seed funding, SUNY University at Albany. (Time period: 2025 – 2026 Funded)
- Grant: 20,000 US Dollar
- Role: Co-Applicant with Dr. Sharma (PI) and Dr. Sanjay (Co-PI)

3. *Undergraduate Research Experience with Recent Advances in Deepfake Technology*
- Research Experiences for Undergraduates, National Science Foundation. (Time period: 2025-2028 Rejected)
- Grant: 462,862 US Dollar
- Role: Co-Applicant with Dr. Sharma (PI)

4. *Empowering Users Information Validation: Combat Misinformation with Attentional-Control-Based Nudging in Fact Checkers.*
- CNS – Secure & Trustworthy Cyberspace, National Science Foundation. (Time period: 2024-2027 Rejected)
- Grant: 213,284 US Dollar
- Role: Principal Applicant

5. *Helping Older Adults to Better Cope with Information Technology Threats*
- Social Sciences and Humanities Research Council of Canada Insight Grant (Time period: 2022 – 2027 Funded)
- Grant: 212,050 Canadian Dollar
- Role: Principal Investigator

6. *Understanding Antecedents to Misinformation Susceptibility for Older Adults*
- Catalyst Grant, McMaster Institute of Research on Aging (Time period: 2022 – 2023 Funded)
- Grant: 40,000 Canadian Dollar
- Role: Principal Investigator

7. *Designing a real-time cybercrime alert system for older adults*
- Postdoctoral Research Fellowship, McMaster Institute of Research on Aging, (Time period: 2020 – 2021 Funded)
- Grant: 50,000 Canadian Dollar
- Role: Principal Applicant

8. *Artificial intelligence algorithm design in Alzheimer's detection using retina images*
- Mitacs Accelerate Fellowship, Mitacs Canada & Optina diagnostics. (Time period: 2019 – 2020 Funded)
- Grant: 45,000 Canadian Dollar
- Role: Principal Applicant

SERVICE TO THE IS COMMUNITY

1. Associate Editor, European Conference on Information Systems (ECIS) 2023, 2024, 2025
2. Session Chair, American Conference on Information Systems (AMCIS) 2022
3. Reviewer, Journal of Management Information Systems
   European Journal of Information Systems
   Information and Management
   Decision Support System
4. Reviewer, International Conference on Information Systems (ICIS) 2020 - 2025
   European Conference on Information Systems (ECIS) 2021 - 2025
   American Conference on Information Systems (AMCIS) 2021 - 2025