

## CURRICULUM VITAE – Xuecong Lu

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### EMPLOYMENT

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2023-Present	Department of Information Security and Digital Forensics, University at Albany, Assistant Professor	U.S.
2020-2023	DeGroote School of Business, McMaster University Postdoctoral Fellow	Canada
2019-2020	Department of Biomedical Engineering, Polytechnic Montreal Postdoctoral Fellow	Canada

### EDUCATION

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2015-2019	University of Montreal Doctor of Philosophy in Biomedical Engineering	Canada
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### RESEARCH INTERESTS

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- **Dark side of IT:** phishing vulnerability, misinformation consumption
- **Human computer interaction:** Interface design
- **Data analytics:** social media analysis, business value of IT, societal impact of IT

### JOURNAL ARTICLES in the Area of *Management Information Systems*

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1. **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*, 59(6), 103675. (ABDC Journal Ranking: A+)
2. **Lu, X.**, Jiang, J., Head, M., Kahai, S. S., & Yang, J. (forthcoming) Synergistic Impacts of online and offline social participation on older adults' subjective well-being: evidence from the Canadian longitudinal study on ageing. *European Journal of Information Systems*. (ABDC Journal Ranking: A+)
3. Goodarzi, S. Jiang, J., Head, M., **Lu, X.** (forthcoming) A Selection, Optimization, and Compensation Perspective on the Role of Online Social Participation in Older Adults' Psychological Well-Being. *International Journal of Information Management (impact factor 19.0)*. (ABDC Journal Ranking: A+)

### CONFERENCE PROCEEDINGS in the Area of *Information Systems*

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

5. **Lu, X.**, Jiang, J., Head, M., & Yang, J. "A Systematic Review of Leadership in Online Communities: Social Leaders, Technical Leaders, and Impacts", American Conference on Information Systems (AMCIS) 2022, Aug 10 - Aug 14, 2022, Minneapolis, U.S.A.
6. **Lu, X.**, Head, M., & Yang, J. "Understanding Online Review Helpfulness: A Color Theory Perspective." Pre-International Conference on Information Systems, Human Computer Interaction workshop (Pre-ICIS HCI), December 12-15, 2021, Austin, U.S.A. (**Best Talk Award**)
7. **Lu, X.**, Head, M., Jiang, J., & Yang, J. "An Investigation of the Interplay between Emotional Congruence and Regulatory Fit in Phishing Susceptibility." European Conference on Information Systems (ECIS), June 14 - 16, 2021, Virtual.
8. **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." Pre-International Conference on Information Systems, Human Computer Interaction workshop (Pre-ICIS HCI), December 13-16, 2020, Hyderabad, India.
9. Yang, J., Head, M., and **Lu, X.** "Enhancing Student Experience in Online Learning: A Social Capital Perspective." Pre-International Conference on Information Systems, Human Computer Interaction workshop (Pre-ICIS HCI), December 13-16, 2020, Hyderabad, India.

#### **PUBLISHED JOURNAL ARTICLES in Neuroscience**

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10. 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, 0271678X231151560.
11. Damseh, R., Lu, Y., **Lu, X.**, Zhang, C., Marchand, P. J., Corbin, D., Pouliot, P., Cheriet, F., & Lesage, F. (2021). A simulation study investigating potential diffusion-based MRI signatures of microstrokes. Scientific Reports, 11(1), 14229.
12. **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, 88, 11-23.
13. **Lu, X.**, Moeini, M., Li, B., Thorin, É., & Lesage, F. (2020). Hypertension accelerates cerebral tissue PO2 disruption in Alzheimer's disease. Neuroscience Letters, 715, 134626.
14. **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, 13.
15. **Li, B., Lu, X.**, 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, 14(8), e0221547. (Equal contribution as first author)
16. 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, 11(1), 1-15.

17. 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, 10(1), 1-10.
18. Moeini, M., Cloutier-Tremblay, C., **Lu, X.**, Kakkar, A., & Lesage, F. (2020). Cerebral tissue pO<sub>2</sub> response to treadmill exercise in awake mice. Scientific reports, 10(1), 1-11.
19. 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, 25(4), 046002.
20. 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<sup>-/-</sup> hApoB<sup>+/+</sup> transgenic mice. Neurophotonics, 6(4), 045003.
21. Moeini, M., **Lu, X.**, Bélanger, S., Boas, D., Kakkar, A., & Lesage, F. (2019). Cerebral tissue pO<sub>2</sub> response to stimulation is preserved with age in awake mice. Neuroscience letters, 699, 160-166.
22. Zhang, C., Tabatabaei, M., Bélanger, S., Girouard, H., Moeini, M., **Lu, X.**, & Lesage, F. (2019). Astrocytic endfoot Ca<sup>2+</sup> correlates with parenchymal vessel responses during 4-AP induced epilepsy: An in vivo two-photon lifetime microscopy study. Journal of Cerebral Blood Flow & Metabolism, 39(2), 260-271.
23. 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, 8(1), 1-17.

#### ***Other CONFERENCE PROCEEDINGS***

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24. Marchand, P. J., **Lu, X.**, Zhang, C., Lu, Y., & Lesage, F. (2020, March). In vivo validation of OCT hemodynamic measurement techniques with two-photon microscopy (Conference Presentation). In Optical Coherence Tomography and Coherence Domain Optical Methods in Biomedicine XXIV (Vol. 11228, p. 112280Y). International Society for Optics and Photonics.
25. **Lu, X.**, Moeini, M., Li, B., Lu, Y., Damseh, R., Pouliot, P., ... & Lesage, F. (2019, July). Effect of exercise on capillary red blood cell dynamics in transgenic ad mice. In Journal of Cerebral Blood Flow and Metabolism (Vol. 39, pp. 319-320). 2455 Teller Rd, Thousand Oaks, CA 91320 USA, Sage Publications Inc.
26. **Lu, X.**, Moeini, M., Li, B., de Montgolfier, O., Lu, Y., Thorin, E., & Lesage, F. (2019, July). Brain tissue oxygenation is modulated by voluntary exercise in AD awake mice. In Journal of Cerebral Blood Flow and Metabolism (Vol. 39, pp. 62-63). 2455 Teller Rd, Thousand Oaks, CA 91320 USA, Sage Publications Inc.
27. Zhang, C., Tabatabaei, M., Bélanger, S., Girouard, H., Moeini, M., **Lu, X.**, & Lesage, F. (2018, February). In vivo measurement of astrocytic endfoot Ca<sup>2+</sup> and parenchymal vessel responses during 4-AP induced epilepsy using two-photon fluorescence lifetime microscopy. In Multiphoton Microscopy in the Biomedical Sciences XVIII (Vol. 10498, p. 104980X). International Society for Optics and

Photonics.

28. **Lu, X.**, Moeini, M., Li, B., Zhang, C., Sakadžić, S., & Lesage, F. (2018, February). 3D brain oxygenation measurements in awake hypertensive mice using two photon phosphorescence lifetime imaging. In *Multiphoton Microscopy in the Biomedical Sciences XVIII* (Vol. 10498, p. 104981Y). International Society for Optics and Photonics.
29. **Lu, X.**, Moeini, M., Li, B., Sakadžić, S., & Lesage, F. (2018, February). Voluntary exercise confers protection against age-related deficits in brain oxygenation in awake mice model of Alzheimer's disease. In *Neural Imaging and Sensing 2018*(Vol. 10481, p. 104811G). International Society for Optics and Photonics.
30. **Lu, X.**, Li, B., Moeini, M., & Lesage, F. (2017, February). Simultaneous two-photon imaging of cerebral oxygenation and capillary blood flow in atherosclerotic mice. In *Neural Imaging and Sensing* (Vol. 10051, p. 1005100). International Society for Optics and Photonics.
31. Moeini, M., **Lu, X.**, Lam, T., Belanger, S., Kakkar, A., & Lesage, F. (2017, April). Brain tissue oxygenation changes with age in awake mice. In Journal of Cerebral Blood Flow and Metabolism (Vol. 37, pp. 57-58). 2455 Teller Rd, Thousand Oaks, CA 91320 USA, Sage Publications Inc.

**TEACHING EXPERIENCE**

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1. Teaching Certificate, McMaster University (2022)
2. Instructor, Multimedia Forensics, University at Albany (2023)

**ACADEMIC SERVICE**

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| 1. Session Chair, American Conference on Information Systems (AMCIS) | 2022      |
| 2. Review editor: Frontier in Neuroscience                           | 2023      |
| 3. Reviewer:   |           |
| Information & Management   | 2023      |
| Internet Research  | 2022-2023 |
| Behaviour & Information Technology                                   | 2022-2023 |
| Decision Support Systems   | 2023      |
| AIS Transactions on Human-Computer Interaction                       | 2023      |
| International Conference on Information Systems (ICIS)               | 2020-2023 |
| European Conference on Information Systems (ECIS)                    | 2021-2022 |
| Pacific Asia Conference on Information Systems (PACIS)               | 2023      |