

KATELYN R. SCHWIETERS, M.A.

Assistant Scientist, Human Factors Safety Laboratory, University of Minnesota
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Education

University of Minnesota, Minneapolis, MN Doctor of Philosophy: Human Factors and Ergonomics	<i>Expected 2024</i>
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Metropolitan State University, St. Paul, MN Master of Arts: Applied Social Psychology	<i>May 2016</i>
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University of Minnesota, Minneapolis, MN Bachelor of Arts: Psychology, minor: French	<i>May 2011</i>
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Professional Appointments

Assistant Scientist, Human Factors Safety Laboratory, University of Minnesota	2019 - <i>Current</i>
Adjunct Faculty Member, Minneapolis College of Art and Design	2019
Adjunct Faculty Member, Metropolitan State University	2017 - 2021

Selected Grants and Contracts as Co-I or Key Staff

Title: Intersection Enhancement and Driver Behavior Study Support Period: July 2024 – June 2025	
Title: Human-centered testing of a rear-facing display to reduce vehicle collisions with snow plows Support Period: May 2023 – August 2025	
Title: MMUCC MNCrash Updates: Developing User-Centered Solutions to MNCrash MMUCC Enhancements. Support Period: August 2022 – August 2024	
Title: Identification and Assessment of Preventative Methods to Mitigate Cognitive and Physical Declines Which Influence Driving Performance of Older Drivers Support Period: July 2022 – June 2024	
Title: Improved Synthetic Training Environment for Assessment of Medics (i-STEAM): Competency through Objective Video Analysis Support Period: December 2020 – December 2024	
Title: Establishing a Repeatable Method for Presenting Non-traditional Traffic Treatments to Maximize Stakeholder Support	
Title: Implementation of Lane Boundary Guidance System for Snowplow Operations Support Period: June 2019 – December 2022	

Selected Conference Attendance/Presentations

HFES Annual International Conference	2021 – 2023
American Psychological Association Annual Conference	2022
Design of Medical Devices Conference	2022, 2023
International Symposium on Human Factors in Healthcare Conference	2023
Driver Assessment Conference	2021
Center for Transportation Studies Conference	2021, 2022
Society for Personality and Social Psychology Conference	2015-2021

Selected Journal Publications

Morris, N. L., **Schwieters, K.R.**, Tian, D., & Craig, C. M. (2024). Evaluation of driver errors and acceptance of a simulated J-Turn intersection. *Accident Analysis and Prevention*.

Morris, N., Craig, C., **Schwieters, K.**, Drahos, B., Mabry, M., Floersch, E., Kessler, W. (2023). Limited training in undergarment and clothing removal techniques to expose wounds in combat care. In: Jay Kalra (eds) *Emerging Technologies in Healthcare and Medicine*. AHFE (2023) International Conference. AHFE Open Access, vol 116. AHFE International, USA. <http://doi.org/10.54941/ahfe1004367>

Schwieters, K. R., Drahos, B. A., Craig, C. M., Kessler, W., Mabry, M., Norfleet, J. E., Mazzeo, M. V., & Morris, N. L. (2023). The Effect of Patient Gender and Undressing Method on Chest Exposure for the Treatment of a Gunshot Wound. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 0(0). <https://doi.org/10.1177/21695067231192926>

Morris, N. L., Craig, C. M., & **Schwieters, K. R.** (2023). Trust in Automated Vehicles under Normal and Drowsy Driving Conditions. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 67(1), 2478-2483. <https://doi.org/10.1177/21695067231192881>

Schwieters, K. R., Morris, N. L., & Craig, C. M. (2023). Default Biases in Medical Patient Simulators: Differences in Availability and Procedures. *Human Factors and Healthcare*, 100040. <https://doi.org/10.1016/j.hfh.2023.100040>

Craig, C. M., **Schwieters, K. R.**, Drahos, B. A., & Morris, N. L. (2022). A Pilot Study on the Role of Experience and Patient Gender on MARCH Treatment Sequence. *Military Medicine*. <https://doi.org/10.1093/milmed/usac383>

Craig, C. M., **Schwieters, K. R.**, Tian, D., & Morris, N. L. (2022). Impact of simulation on road user acceptance of restricted crossing U-turns. *Proceedings of the Human Factors and Ergonomics Society 66th Annual Meeting*, 938-942. <https://doi.org/10.1177/1071181322661417>

Craig, C. M., Drahos, B., **Schwieters, K. R.**, Morris, N. L., Lye, M., Kowalewski, T. M., Norfleet, J. E., & Mazzeo, M. V. (2022). Evaluating gender differences in treatment of simulated gunshot wounds using a female retrofit. *Frontiers in Biomedical Devices: 2022 Design of Medical Devices Conference*, 1-6. *Proceedings of the 2022 Design of Medical Devices Conference*. <https://doi.org/10.1115/DMD2022-1018>

Craig, M. C., Morris, N. L., Achtemeier, J. D., & **Schwieters, K. R.** (2021). Auditory alerts and safety with simulated bicycles and motor vehicles. *Transportation Research Record*, 2675(9), 1-9. <https://doi.org/10.1177/03611981211002531>

Craig, C. M., Morris, N. L., **Schwieters, K. R.**, & Iber, C. (2020). Pink elephants on the road: Visual illusions and distortions when driving during significant sleep deprivation. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 64(1), 1360-1364. <https://doi.org/10.1177/1071181320641325>.

Professional Activities

Student Member, Center for Transportation Studies Executive Committee, University of Minnesota
Crash Data Users Group (CDUG), Minnesota Department of Public Safety and Minnesota Department of Transportation
Human Factors and Ergonomics Society Member