Harold Meese Center 106
Michigan Technological University
1400 Townsend Drive
Houghton, Michigan 49930

steelman@mtu.edu
906.487.2792

EDUCATION

2011   PH.D IN PSYCHOLOGY

> University of Illinois at Urbana-Champaign
> Major: Visual cognition and human performance
> Minor: Quantitative psychology and cognitive psychology
> Advisor: Jason McCarley
> Dissertation: Modeling the control of visual attention in
>   complex workspaces

2006   M.S. IN HUMAN FACTORS
> University of Illinois at Urbana-Champaign
> Advisor: Jason McCarley
> Thesis: The Effects of Target Foreknowledge on Visual
> Search Performance and Strategy

2004   M.ENG. IN MECHANICAL AND AEROSPACE ENGINEERING
> Illinois Institute of Technology

2002   B.S. IN AEROSPACE ENGINEERING
> Illinois Institute of Technology

RESEARCH INTERESTS

Basic and applied attention, models of attention, human performance in aviation, instructional design, display design, tech anxiety, computer training for older adults

TEACHING INTERESTS

Cognitive psychology, social psychology, human factors, attention, research methods

PROFESSIONAL EXPERIENCE

2019-Present   ASSOCIATE PROFESSOR
> Cognitive and Learning Sciences
> Mechanical Engineering-Engineering Mechanics (Affiliated)
> Michigan Technological University

2019-Present   Science Policy Fellow
> Human Factors and Ergonomic Society

2015-Present   GRADUATE PROGRAM DIRECTOR
> Applied Cognitive Science and Human Factors (ACSHF)
> Department of Cognitive and Learning Sciences
> Michigan Technological University

2013-Present   ASSISTANT PROFESSOR
> Cognitive and Learning Sciences
> Mechanical Engineering-Engineering Mechanics (Affiliated)
> Michigan Technological University

2011-2013   POSTDOCTORAL RESEARCHER
                   Flinders University, Adelaide, Australia
                   Under the supervision of Jason McCarley

2004-2011   RESEARCH ASSISTANT
                   University of Illinois at Urbana-Champaign
                   Under the supervision of Jason McCarley, Charissa Lansing, Terry
von Thaden, and Chris Wickens

2009(Summer) INTERNSHIP
                   NASA Ames, Moffett Field, CA
                   Under the supervision of Jeffrey Mulligan

FUNDED GRANT APPLICATIONS

2018   INCREASING STUDENT AND FACULTY ADOPTION OF NEW DIGITAL
                   TECHNOLOGIES
                   College of Engineering Cross-cutting Initiative Seed Grant: Stage 1
                   PI: Michelle Jarvie-Eggart,
                   Co-PIs: Snehamoy Chatterjee, Melanie Kueber Watkins, Kelly Steelman,
                   Shari Stockero, Leo Ureel, and Charles Wallace
                   Funded at $5,000

2017   BREAKING DIGITAL BARRIERS: INVESTIGATING TECHNOLOGY-
                   RELATED ANXIETY AS A FORM OF COGNITIVE LOAD
                   Michigan Tech Research Excellence Fund Seed Grant
                   PI: Kelly Steelman
                   Funded at $18,000

2016   MEASURING SALIENCE IN CRASH SITE IMAGES
                   National Transportation and Safety Board
                   PI: Kelly Steelman
                   Funded at $3,434

2014   TESTING THE USE OF AUTOMATED EXTERNAL DEFIBRILLATOR
                   DEVICES
                   Physio Control, Inc.
                   PI: Kelly Steelman
                   Funded at $51,421

2013   CENTURY II CAMPAIGN ENDOWED EQUIPMENT FUND
                   Michigan Technological University
                   Proposal to Purchase a Portable Eye Tracking System
                   PI: Kelly Steelman
                   Funded at $8,080

SUBMITTED GRANT APPLICATIONS (In Review)

2019   THE SENSITIVITY OF MEASURES OF CORRECTIVE DRIVING
                   PERFORMANCE TO LEVELS OF COGNITIVE DECLINE IN AGING,
                   MILD COGNITIVE IMPAIRMENT, AND ALZHEIMER'S DISEASE
                   National Institute of Health
                   PIs: Kevin Trewartha and Kelly Steelman
                   Investigators: Richard Backs
                   Amount Requested: $1,017,358

PEER-REVIEWED PUBLICATIONS

*Graduate Student co-author, **Undergraduate student co-author, ^Community member co-author*

Steelman, K. S., & Tislar, K. L. (2019). Measurement of Tech Anxiety in Older and Younger Adults. In *International Conference on Human-Computer Interaction* (pp. 520-527). Springer, Cham.

*Riegner, K.L., Ammori, J., O'Hearn, B.E., **Steelman**, K.S. (2018). Ground Vehicle Driving Aids: Assessing Driver Workload and Performance in Degraded Visual Environments. *Proceedings of the Human Factors and Ergonomics Society Annual 62nd Meeting* (pp. 1838-1842). Santa Monica, CA: Human Factors and Ergonomics Society.

Steelman, K.S. **,** McCarley, J.S., & Wickens, C.D. (2017). Theory-based Models of Attention in Visual Workspaces. *International Journal of Human-Computer Interaction, 33*(1), 1-8.

Steelman, K.S., *Tislar K.L., *Ureel L.C., & Wallace C. (2017) Eliciting Best Practices in Digital Literacy Tutoring: A Cognitive Task Analysis Approach. In J. Zhou and G. Salvendy (Eds), Lecture Notes in Computer Science: Vol. 10297. Human Aspects of IT for the Aged Population. Aging, Design and User Experience (pp. 447-460). Springer, Cham. https://doi.org/10.1007/978-3-319-58530-7_34

Steelman, K. & Wallace, C. (2017). Breaking Barriers, Building Understanding: A Multigenerational Approach to Digital Literacy Instruction for Older Adults. *ACM Newsletter SIGACCESS Accessibility and Computing, 118,* 9-15. [Invited Paper based upon the peer-reviewed SIGACCESS Conference Proceedings below.]

Steelman, K.S. & Wallace, C. (2017). Identifying and Mitigating Technology-Related Anxiety. *Proceedings of the 19th International ACM SIGACCESS Conference (pp. 323-324).* Baltimore, MD.

Atkinson, K., *Barnes, J., ^Albee, J., ^Antilla, P, ^Haataja, J, ^Nanavati, K, **Steelman, K, & Wallace, C. (2016). Breaking Barriers to Digital Literacy: An Intergenerational Social-Cognitive Approach. *Proceedings of the 18th International ACM SIGACCESS Conference on Computers and Accessibility (pp. 239-244).* Reno, NV.

Lum, H.C., **Steelman**, K.S., Frederick, C.M., *Sonnenfeld, N.A, Amato-Henderson, S., & Smith, T.J. (2016). Exploring the Future of Human Factors Education: Online Learning, MOOCs, Next Generation Standards, and the Technological Skills We Need to Impart. *Proceedings of the Human Factors and Ergonomics Society 60th Annual Meeting* (pp. 430-434). Santa Monica, CA: Human Factors and Ergonomics Society.

Mueller, S., *Tan, Y., *North, H., & **Steelman**, K. (2016). A minimal model of eye movement applied to visual search and change detection. *Proceedings of the 14th International Conference on Cognitive Modeling (pp. 194-200).* University Park, PA: Penn State.

Steelman, K.S. & *North, H. (2016). Predicting Detection Times with Perceptual Euclidian Distance. *Proceedings of the Human Factors and Ergonomics Society 60th Annual Meeting* (pp. 1585-1589). Santa Monica, CA: Human Factors and Ergonomics Society.

Steelman, K.S., *Tislar, C.L., *Ureel II, L., Wallace, C. (2016). Breaking Digital Barriers: A social-cognitive approach to improving digital literacy in older adults. In C. Stephanidis (eds) Communications in Computer and Information Science, Volume 617. HCI International 2016 – Posters' Extended Abstracts. (pp. 445-450). Springer, Cham

McCarley, J.S., **Steelman**, K.S., & Horrey, W. (2014). The view from the driver's seat: What good is salience? *Applied Cognitive Psychology, 28,* 414-426.

Steelman, K.S. & McCarley, J.S. (2014). Measuring performance in multiple-target visual search. *Proceedings of the Human Factors and Ergonomics Society 58th Annual Meeting* (pp. 1776-1780). Santa Monica, CA: Human Factors and Ergonomics Society.

Steelman, K.S., McCarley, J.S. & Wickens, C.D. (2013). Great Expectations: Top-down attentional control modulates the costs of the clutter and eccentricity on alert detection performance. *Journal of Experimental Psychology: Applied, 19,* 403-419.

Steelman, K.S., Talleur, D., Carbonari, R., Yamani, Y., McCarley, J.S., & Nunes, A. (2013). Auditory, visual, and bimodal data link displays and how they support pilot performance. *Aviation, Space, and Environmental Medicine, 84*(6), 560-566.

McCarley, J.S., Rubinstein, J., **Steelman**, K.S., & *****Swanson, L. (2011). Estimating User's Preferred Response Bias in an Automated Diagnostic Aid: A Psychophysical Approach. *Proceedings of the Human Factors and Ergonomics Society 55th Annual Meeting* (pp. 326-329). Santa Monica, CA: Human Factors and Ergonomics Society

Steelman, K.S., McCarley, J.S. & Wickens, C.D. (2011). Modeling the Control of Attention in Visual Workspaces. *Human Factors*, *53*(2), 142-153.

Steelman, K.S. & McCarley, J.S. (2011). Interactions Among Target Salience, Eccentricity, Target Expectancy and Workload in an Alert Detection Task. *Proceedings of the Human Factors and Ergonomics Society 55th Annual Meeting* (pp. 1407-1411). Santa Monica, CA: Human Factors and Ergonomics Society.

Steelman-Allen, K.S., McCarley, J.S., & Mounts, J.R.W. (2009). Localized attentional interference reflects competition for reentrant processing. *Psychonomic Bulletin and Review, 16*, 110-115.

Steelman-Allen, K.S. & McCarley, J.S. (2010). Modeling the Control of Attention in Complex Visual Displays. *Proceedings of the BRIMS 19th Annual Conference* (pp.140-145). Orlando, FL: SISO, Inc.

Steelman-Allen, K.S., McCarley, J.S., Wickens, C., Sebok, A., & Bzostek, J. (2009). N-SEEV: A computational model of attention and noticing. *Proceedings of the Human Factors and Ergonomics Society 53rd Annual Meeting* (pp. 774-778). Santa Monica, CA: Human Factors and Ergonomics Society.

Gilbert, J., **Steelman**-Allen, K.S., McCarley, J.S., Lansing, C. (2009). Effect of Overheard Conversations on Bystander Productivity. *Proceedings of the Human Factors and Ergonomics Society 53rd Annual Meeting* (pp.1314-1318). Santa Monica, CA: Human Factors and Ergonomics Society.

Wickens, C., McCarley, J.S., Sebok, A., **Steelman**-Allen, K.S., Sarter, N.B., & Bzostek, J. (2009). NT-SEEV: A model of attention capture and noticing on the Flight Deck. *Proceedings of the Human Factors and Ergonomics Society 53rd Annual Meeting* (pp. 769-773). Santa Monica, CA: Human Factors and Ergonomics Society.

McCarley, J.S., & **Steelman**, K.S. (2006). Elements of Human Performance in Baggage X-ray Screening. *Proceedings of the 4th International Aviation Security Technology Symposium*. Washington, DC.

von Thaden, T. L., & **Steelman**, K. S. (2005). Classifying Crew Performance Failures in Commercial Aviation Accidents: Can We Get the Numbers Right? *Proceedings of the Safety Across High-Consequence Industries Conference. St. Louis, MO.*

BOOK CHAPTERS AND TECHNICAL REPORTS

*Graduate Student co-author

Steelman, K.S., McCarley, J.S., Grable, J.E. Palmer, L., Yeske, D., Chaffin, C.R. (2015). Gathering Data from Clients: Insights from Cognitive Task Analysis and Requirements Engineering. In C.R. Chaffin (Ed), *CFP Board Financial Planning Competency Handbook* (pp. 687-701). Hoboken, NJ: Wiley.

McCarley, J.S., **Steelman**, K.S., Grable, J.E. Palmer, L., Yeske, D., Chaffin, C.R. (2015). The Psychology of Decisions: A Short Tutorial. In C.R. Chaffin (Ed), *CFP Board Financial Planning Competency Handbook (*pp. 843-858). Hoboken, NJ: Wiley.

Steelman, K.S. & *Tislar, C. (2015). Instructor's Resources (For John R. Anderson's Cognitive Psychology and Its Implications, 8th Edition). New York, NY: Worth Publishers.

McCarley, J.S., & **Steelman**, K.S. (2013). Visual Attention and Display Design. In Johnson, A. & Proctor, R. (Eds.), *Neuroergonomics: Cognitive neuroscience approaches to human factors and ergonomics* (pp. 51-68). New York: Palgrave-Macmillan.

Rantanen, E. M., Yeakel, S. J., & **Steelman**, K. S. (2006). En Route Controller Task Prioritization Research to Support CE-6 Human Performance Modeling; Phase II: Analysis of High-Fidelity Simulation. *University of Illinois Human Factors Division Technical Report HFD-06-03/MAAD-06-2.*

Wickens, C. D., Nunes, A., Alexander, A. L., & **Steelman**, K. (2005). 3D Navigation and Integrated Hazard Display in Advanced Avionics: Workload, Performance, and Situation Awareness Display Clutter Issues in SVS Design. *University of Illinois Human Factors Division Technical Report AHFD-05-19/NASA-05-7.*

POSTERS AND PRESENTATIONS

*Graduate Student co-author, **Undergraduate student co-author, ^Community member co-author, presenting author is italicized*

Steelman, K.S. and *Tislar, C.L. (2019, July). Measurement of Tech Anxiety in Older and Younger Adults. Poster presented at the *5th International Conference on Human Aspects of IT for the Aged Population (HCI International 2019)*, Orlando, FL.

Riegner*, K.L., Ammori, J., O'Hearn, B.E., **Steelman, K.S. (2018, October). Ground Vehicle Driving Aids: Assessing Driver Workload and Performance in Degraded Visual Environments. *Talk presented at the Human Factors and Ergonomics Society Annual 62nd Meeting,* Philadelphia, PA.

Steelman, K.S. & *Wallace*, C. (2018, September). Building Adult Skills in Computing: A Library Based Tutoring Program for Older Adults: Addressing Technology-Related Anxiety in Mobile Interfaces. *Talk presented at the Upper Peninsula Region of Library Cooperation Annual Meeting,* Escanaba, MI. [Invited Talk]

Steelman, K.S. & *Wallace*, C. (2017, October). Identifying and Mitigating Technology-Related Anxiety. *Poster presented at the 19th International ACM SIGACCESS Conference,* Baltimore, MD

Steelman, K.S. & *Wallace*, C. (2017, May). Addressing Technology-Related Anxiety in Mobile Interfaces. *Talk presented at the Workshop on Designing Mobile Interactions for the Aging Population (ACM CHI Conference 2017),* Denver, CO.

Steelman, K.S. (2017, January). Breaking Digital Barriers: Developing flexible skills and technological self-efficacy in older adults. *Talk presented at The Applied Cognitive Science and Human Factors Forum*, Houghton, MI.

Steelman, K.S. & *Wallace*, C. (2016, November). Breaking Digital Barriers: Engaging older adults with technology. *Talk presented at the Center for Human-Centered Computing World Usability Day 2016*, Houghton, MI.

***Atkinson*, K., *Barnes*, J., ^Albee, J., ^Antilla, P, ^Haataja, J, ^*Nanavati*, K, **Steelman**, K, & Wallace, C. (2016, October). Breaking Barriers to Digital Literacy: An Intergenerational Social-Cognitive Approach. *Talk presented at the 18th International ACM SIGACCESS Conference on Computers and Accessibility,* Reno, NV.

*Lum, H.C., **Steelman**, K.S., Frederick, C.M., *Sonnenfeld, N.A, Amato-Henderson, S., & Smith, T.J.* (2016, September). Exploring the Future of Human Factors Education: Online Learning, MOOCs, Next Generation Standards, and the Technological Skills We Need to Impart. *Panel presented at the Human Factors and Ergonomics Society 60th Annual Meeting, Washington D.C.*

Steelman, K.S. & *North, H. (2016, September). Predicting Detection Times with Perceptual Euclidian Distance. *Talk presented at the Human Factors and Ergonomics Society 60th Annual Meeting,* Washington D.C.

Steelman, K.S., *Tislar, C.L., *Ureel II, L., *Wallace*, C. (2016, July). Breaking Digital Barriers: A social-cognitive approach to improving digital literacy in older adults. Poster presented at the *2nd International Conference on Human Aspects of IT for the Aged Population (HCI International 2016)*, Toronto, Canada.

Mueller, S., *Tan, Y., *North, H., & **Steelman**, K. (2016, August). A minimal model of eye movement applied to visual search and change detection. *Talk presented at the 14th International Conference on Cognitive Modeling, Penn State.*

North, H. & **Steelman**, K.S. (2016, May). Blue's Cues: Investigating Interactions Between Salience and Cuing in a Change Detection Task. *Poster presented at the 28th APS Annual Convention*, Chicago, IL.

Tislar, C.L. & **Steelman**, K.S. (2016, May). Investigating the Role of Interest Level and Learning Objectives on the Seductive Details Effect. Poster presented at the *28th APS Annual Convention*, Chicago, IL.

Steelman, K.S. & McCarley, J.S. (2014, October). Measuring performance in multiple-target visual search. *Talk presented at the Human Factors and Ergonomics Society 58th Annual Meeting, San Diego, CA.*

Steelman, K.S., **Orchard, S., Fletcher, K., Cockshell, S., Williamson, P. & McCarley, J.S. (2013, October). Attentional Processes in Detection of Naval Radar Symbology. Talk presented at *The Human Factors and Ergonomics Society 57th Annual Meeting*, San Diego, CA.

McCarley, J.S., **Steelman**, K.S. & Rubinstein, J. (2013, October). Target detection aids in a visual search task: A comparison of fixed- and adjustable-thresholds. Talk presented at *The Human Factors and Ergonomics Society 57th Annual Meeting*, San Diego, CA.

Steelman, K.S. (2013, October). Target detection aids in a visual search task: A comparison of fixed- and adjustable-thresholds. Talk presented at *The Cognitive and Learning Sciences Department Colloquium, Houghton*, MI.

Steelman, K.S. & McCarley, J.S. (2012, October). Modeling Violations of Independent Sampling in a Supervisory Monitoring Task. Talk presented at *The Human Factors and Ergonomics Society 56th Annual Meeting*, Boston, MA.

Steelman, K.S. (2012, September). What to expect when you're not expecting. Talk presented at *The Flinders University Psychology Department Colloquium*, Adelaide, Australia**.**

Steelman, K.S., McCarley, J.S., & Wickens, C.D. (2011, November). Interactions Among Eccentricity, Salience, and Expectancy in an Alert Detection Task. Talk presented at *The Defence Human Sciences Symposium*, Melbourne, Australia**.**

McCarley, J.S., **Steelman**, K.S., & Wickens, C.D. (2011, November). Modeling the Control of Attention in Visual Workspaces. Poster presented at *The Defence Human Sciences Symposium*, Melbourne, Australia**.**

Steelman-Allen, K.S. Talleur, D., Carbonari, R., Yamani, Y., McCarley, J.S., and Nunes, A. (2010, October). Effects of Data Link Display Format and Position on Flight Performance. Talk presented at *The Human Factors and Ergonomics Society 54th Annual Meeting*, San Francisco, CA.

Mulligan, J.B. and **Steelman**-Allen, K.S. (2010, May). Conspicuity of Peripheral Visual Alerts. Poster presented at *The 10th Annual Meeting of the Vision Sciences Society*, Sarasota, FL.

Mulligan, J.B. and **Steelman**-Allen, K.S. (2009, November). Empirical Measurement of Visual Conspicuity. Poster presented at *The NASA Aviation Safety Technical Conference*, McLean, VA.

Steelman-Allen, K.S., McCarley, J.S., and Mounts, J.R.W. (2009, May). Localized attentional interference reflects competition for reentrant processing. Poster presented at *The 9th Annual Meeting of the Vision Sciences Society*, Sarasota, FL.

Steelman-Allen, K.S. (2009, May). N-SEEV: A computational model of attentional allocation and noticing. Talk presented at *NASA Ames Code TH Brown-Bag Lecture Series*, Moffett Field, CA.

Steelman-Allen, K.S. (2009, April). N-SEEV: A computational model of attentional allocation and noticing. Talk presented at *The Visual Cognition and Human Performance Division Talk Series*, University of Illinois at Urbana-Champaign, IL.

Steelman-Allen, K.S. & McCarley, J. (2008, November). Attentional competition modulates parallel visual processing capacity. Poster presented at The *16th Annual Workshop on Object Perception Attention and Memory*, Chicago, IL.

McCarley, J., **Steelman**-Allen, K., Sebock, A. & *Wickens*, C. (2008, October). Control of Attention: Modeling the Effects of Stimulus Characteristics, Task Demands, and Individual Differences. Talk presented at *The Second Annual NASA Aviation Safety Technical Conference*, Denver, CO.

Steelman-Allen, K.S., Weece, R., Ramrattan, H., Yao, R., Lansing, C., McCarley, J.S., & Kramer, A.F. (2008, May). Is 'Cell Yell' Real? Effects of Remote Communication on Vocal Characteristics and Verbal Behaviors. Talk presented at *The 20th Annual Convention of the Association for Psychological Science*, Chicago, IL.

Steelman, K.S. (2007, October). LAI: A feed-forward or reentrant process? Talk presented at *The Visual Cognition and Human Performance Division Talk Series*, University of Illinois at Urbana-Champaign, IL.

Steelman, K., & McCarley, J. (2007, May). The effects of target foreknowledge on visual search performance and strategy. Poster presented at *The 7th Annual Meeting of the Vision Sciences Society*, Sarasota, FL.

Steelman, K.S., & von Thaden, T. (2005, August). Analysis of Crew Versus Single-Pilot CRM Accidents Using the Human Factors Analysis and Classification System. Presented at *The 113th Annual Convention of the American Psychological Association*, Washington DC.

TEACHING EXPERIENCE

Graduate Courses

• PSY 5010: Cognitive Psychology, Michigan Tech (Fall, 2018; Fall 2019)
• PSY 5020: Experimental Methods, Michigan Tech (Fall 2018)
• PSY 5170: Human Attention, Michigan Tech (Spring 2014, 2018)

Undergraduate Courses

• PSY 2000: Introduction to Psychology, Michigan Tech (Spring 2015, 2016; Summer 2015, 2016, 2018)
• PSY 2000: Introduction to Psychology (online), Michigan Tech (Summer 2015)
• PSY 3720: Social Psychology, Michigan Tech (Fall 2013, Spring 2015, 2016, 2017, 2018)
• PSY 3720: Social Psychology (online), Michigan Tech (Summer 2015, 2016)
• PSY 4010: Cognitive Psychology, Michigan Tech (Fall 2013, 2014, 2015, 2016, 2018, 2019)
• PSY 4500: Senior Seminar, Michigan Tech (Fall 2016)
• PSY 235: Introduction to Statistics (TA), University of Illinois at Urbana-Champaign (2009)
• PSY 358: Human Factors (TA), University of Illinois at Urbana-Champaign (2007)

GRADUATE ADVISING (CURRENT)

Primary Research Advisor

• Shruti Amre, PhD Student in ACSHF
• Natasha Hardy, PhD Student in ACSHF, Kayla Riegner, PhD Student in MEEM,ABD
• Catherine Tislar, PhD Student in ACSHF,

Thesis Committee Member

• Darnishia Slade, MS Student in ACSHF
• Anne Linja, MS Student in ACSHF

GRADUATE RESEARCH ADVISING (PAST)

Primary Research Advisor

• Catherine Tislar, Master of Science in Applied Cognitive Science and Human Factors, 2017
          Thesis Title: Investigating the Importance of Detail Interest Level and Learning
              Objectives on the Seductive Detail Effect
• Hannah North, Master of Science in Applied Cognitive Science and Human Factors, 2016
          Thesis Title: Designing Better Symbols: An Attentional Approach to Match Symbols to
              Performance Goals

Primary Coursework Advisor

• James Henderson, MS Student in ACSHF, graduated Summer 2019
• Erin Richie, Accelerated MS Student in ACSHF, graduated Fall 2018

Dissertation Committee Member

• S. (Shabnam) Maryam Fakhr Hosseini, PhD Student in ACSHF, graduated Fall 2018
• Jason Sterkenburg, PhD Student in ACSHF, graduated Spring 2018
• Wei Zhange, PhD Student in ACSHF, graduated Summer 2016
• Yin Yin (Sarah) Tan, PhD Student in ACSHF, graduated Spring 2016
• Sebastian Karwaczynski, PhD Student in MEEM, graduated Fall 2015
• Margo Woller-Carter, PhD Student in ACSHF, graduated Fall 2015

Thesis Committee Member

• Dave Schreifels, MS Student in ACSHF, graduated Summer 2018
• Alexander van der Merwe, MS Student in ACSHF, graduated Spring 2016
• Natasha Hardy, MS Student in ACSHF, graduated Fall 2015

UNDERGRADUATE RESEARCH ADVISING

• Abby Kuehne, Undergraduate RA, (Funded on REF grant, General RA), Summer 2018 -present
• Paige Short, Undergraduate RA, (Funded on REF grant, General RA), Summer 2018
• Whitney Lehtola, Undergraduate RA (Funded on Physio Project, General RA), Summer 2014 - Spring 2016
• Kara Shawbitz, Undergraduate RA, Fall 2015 - Spring 2016
• Betsy Ninko, Undergraduate RA, Fall 2015
• Kervis Boston, Undergraduate RA, Spring 2014 - Spring 2015
• David Schreifels, Undergraduate RA, Spring 2015
• Morgan Watz, Undergraduate RA, Spring 2015
• Taylor Jones, Undergraduate RA (Funded on Physio Project), Summer 2014 - Fall 2014
• Ronnie Wagner, Undergraduate RA (Funded on Physio Project), Summer 2014 - Fall 2014

TEACHING ASSISTANT SUPERVISION

• Isaac Flint, Graduate TA (Cognitive Psychology), Fall 2019
• Thomas Offer Westort, Graduate TA (Cognitive Psychology), Fall 2018

- Samantha Verran, Undergraduate TA (Introduction to Psychology), Summer 2018
- Thomas Offer Westort, Graduate TA (Social Psychology), Spring 2018
- Kay Tislar, Graduate TA (Social Psychology), Spring 2017
- Alyona Zhuravlyova, Undergraduate TA (Introduction to Psychology) Spring, Summer 2016
- Kara Shawbitz, Undergraduate TA (Introduction to Psychology) Spring 2016
- Jason Sterkenburg, Graduate TA (Introduction to Psychology) Spring 2016
- Mackenzie Perttu, Undergraduate TA (Social Psychology) Spring 2016
- JoAnn Ballor, Undergraduate TA (Introduction to Psychology), Spring 2015
- Zachary Evans, Undergraduate TA (Introduction to Psychology), Spring 2015

STUDENT ORGANIZATION ADVISING

Faculty Advisor to Psi Chi (International Honor Society in Psychology), 2015-present

Faculty Advisor to the Association of Psychology Students, 2014-present

Faculty Advisor to the Human Factors and Ergonomics Society Student Chapter, 2014-present

DEPARTMENT SERVICE

ACSHF Faculty Search Committee, Chair, 2018-2019

Department Marketing Committee, Member, 2016-present

ACSHF Graduate Seminar Coordinator, 2016-present

Graduate Program Committee, Member, 2016-present

Department Charter Committee, Member, 2016-2018

Graduate Program Director, 2015-present

Introduction to the Profession, Guest lecturer on RA and TA opportunities, 2015, 2016, 2018

STEM Education Search Committee, Member, 2014-2015

Undergraduate Psychology Committee for Curriculum and Assessment, Member, 2013-2014

Department Chair Search Committee, Member, 2013-2014

Coordinated department trip to the HFES Annual Meeting in Chicago, IL, 2014

Planned and hosted the HFES departmental mixer for faculty, students, and alumni, 2013

UNIVERSITY SERVICE

Sexual Misconduct Board, Member, Fall 2019 - present

JED Campus Team (Substance abuse and suicide prevention initiative), Member, Fall 2018-present

Accessible Technology Working Group, Member, Fall 2018-present

SURF Proposal Reviewer, Spring 2016, Spring 2018, Spring 2019

Graduate Faculty Council, Department Representative, 2015-present

Graduate Orientation Facilitator, Fall 2015, Fall 2016, Fall 2018

PROFESSIONAL SERVICE

Human Factors and Ergonomics Society, Science Policy Fellow 2019 - present.

Human Factors and Ergonomics Society Annual Meeting, Visual Perception and Safety Session Co-Chair, 2018

Human Factors and Ergonomics Society Annual Meeting, Visual Perception and Safety Session Co-Chair, 2018

Human Factors and Ergonomics Society Annual Meeting, Aging Panel Co-Chair, 2018

Human Factors and Ergonomics Society Annual Meeting, Visual Attention, Eye Movements, and Search Session Chair, 2016

The 2015 Midwest Cognitive Science Conference, Co-organizer, 2015

Journal of Experimental Psychology: Applied, Ad hoc reviewer

Journal of Applied Research in Memory and Cognition, Ad hoc reviewer

Human-Computer Interaction, Ad hoc reviewer

Human Factors, Ad hoc reviewer

Human Factors and Ergonomics Society Annual Conference, reviewer

PROFESSIONAL DEVELOPMENT

HFES Science Policy Fellowship Program, 2019 - present

Upper Peninsula Teaching and Learning Conference, 05/10/19

Upper Peninsula Teaching and Learning Conference, 05/11/18

QPR (Question, Persuade, Refer) Suicide Prevention Training, 03/02/18

Legal Aspects of Hiring Course, 12/03/17

Diversity Literacy Refresher Course, 11/25/17

Upper Peninsula Teaching and Learning Conference, 05/05/17

Research Development Workshop, 01/08/16

Presidential Council of Alumnae Workshop, 09/18/15

Graduate School Orientation Facilitator Training, 08/24/15

Workshop on Developing Partnership and Advancing Driving Research, 05/28/15

Research Development Workshop, 01/08/15

Army Research Laboratory Open Campus Open House, 12/09/14 - 12/10/14

Violence Against Women Training, 12/31/14

Faculty Proposal Development Workshop, 01/09/14

Safe Place Ally Training, CDI, 09/27/13 and 10/15/13

Gen Ed Core 2000 Assessment Workshop, 08/26/13

COMMUNITY SERVICE

Keweenaw Roller Derby, President, Board of Directors, 2018-present

Girl Scouts of the Northwestern Great Lakes, Board of Directors, 2016-present

Building Adult Skills in Computing, Program Co-director and Tutor, 2015-present

Girl Scout Day at Michigan Tech, Guest Speaker, 04/18/15

Houghton Community Garden, Member and Volunteer, 2014-present

Keweenaw Roller Derby, League Member and Bench Coach, 2013-2017

Copper Dog 150, Volunteer, 2014

First Lego League, Assistant Coach at Houghton Elementary School, 2014

HONORS AND RECOGNITIONS

2015   TOP 10% OF TEACHING EVALUATIONS
                     Michigan Technological University
                     For teaching Psychology 3720: Social Psychology

2009   LIST OF TEACHERS RATED EXCELLENT BY THEIR STUDENTS
                     University of Illinois at Urbana-Champaign
                     For teaching Psychology 235: Introduction to Statistics