



Nathan J. McNeese, PhD

McQueen Quattlebaum Endowed Assistant Professor of
Human-Centered Computing
Director, Team Research Analytics in Computational En-
vironments (TRACE) Research Group

School of Computing
College of Engineering, Computing and Applied Sciences
Clemson University

Lab website: <https://computing.clemson.edu/trace/>
Personal Website: <https://nathanmcneese.weebly.com>
Email: mcneese@clemson.edu
Address: 119 McAdams Hall, Clemson, SC, 29631

Short Biography

Dr. Nathan J. McNeese is the McQueen Quattlebaum Endowed Assistant Professor of Human-Centered Computing and the Director of the Team Research Analytics in Computational Environments (TRACE) Research Group in the School of Computing at Clemson University. Dr. McNeese received a PhD in Information Sciences Technology from The Pennsylvania State University in 2014. His area of expertise is in human-autonomy/AI teaming and human-centered AI. Throughout his research, he draws on both quantitative and qualitative methods including controlled experiments, contextual inquiry, participatory design, and ethnographic methods to better develop and utilize AI in a way that improves human lives and contributes positively to society. His work in human-autonomy/AI teaming has brought forth many landmark contributions that have helped to provide the foundation for the concept and build a larger community interested in the area. He has been a principal investigator or co-principal investigator for more than 25 research grants and awards, generating more than \$35 million in funding. His research work is funded by the U.S. National Science Foundation, Air Force Office of Scientific Research, Office of Naval Research, Army Research Office, Agency for Healthcare Research and Quality, Department of Education, and several other industry and state agencies. He teaches undergraduate and graduate courses on human-computer interaction, human-AI interaction paradigms, teamwork and technology, and human factors. He currently serves on multiple international/societal programs and technical committees, in addition to multiple editorial boards including Human Factors. He is a previous member of multiple National Academies of Science initiatives, and a previous member of the Army Research Lab HRED Technical Advisory Board. His research has received multiple best paper awards/nominations and has been published in top peer-reviewed HCI and HF venues over 140 times.

CURRICULUM VITAE

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Human-Centered Computing
School of Computing, Clemson University
119 McAdams Hall, Clemson SC, 29631
Email: mcneese@clemson.edu

Education

- Ph.D. Information Sciences and Technology, The Pennsylvania State University,
2014 (Advisor: Madhu Reddy)
- B.S. Psychology, The Pennsylvania State University, 2009

Appointments

Primary

- 2023- **McQueen Quattlebaum Endowed Assistant Professor of Human-Centered Computing**
- 2021-23 **College of Engineering, Computing and Applied Sciences Dean's Professor**
- 2017- **Assistant Professor** (tenure track), Human-Centered Computing, School of Computing, College of Engineering, Computing and Applied Sciences, Clemson University

Secondary

- 2017- **Founding Director**, Team Research Analytics in Computational Environments (TRACE) Research Group, Clemson University; computing.clemson.edu/trace/
- 2020- **Founding Director**, The Clemson University Data Lab (Administrative position; University-wide initiative); cecas.clemson.edu/datalab/
- 2017- **Founding Director**, TRACE Camp: A Programming Bootcamp
- 2017- **Faculty Scholar**, Clemson University's School of Health Research
- 2018-2020 **Watt Faculty Fellow**, Clemson University

2017- **Faculty Associate**, Clemson University's Human Factors Institute

Achievement Highlights

- Named the **McQueen Quattlebaum Endowed Assistant Professor of Human-Centered Computing**. This is an endowed professorship based on accomplishments.
- Awarded the **2022 Clemson University Junior Faculty Researcher of the Year**. This is a university level award presented to the top faculty researcher across all colleges and departments at Clemson who received their terminal degree within the past 10 years.
- Named to the **Clemson University President's Leadership Institute** (2023).
- Named as the **College of Engineering, Computing and Applied Sciences Dean's Professor**. This is a named professorship based on accomplishments.
- Awarded the **2022 College of Engineering, Computing and Applied Sciences Junior Faculty Researcher of the Year** and CECAS Nominee for Clemson University Junior Faculty Researcher of the Year.
- Recognized as **Clemson University Professor of the Game** (October 1, 2022) and **Clemson Board of Trustees "Focus on Faculty" recognition**.
- Received **25 grants and/or gifts** from funding organizations such as NSF, AFOSR, ONR, ARO, US Department of Education, AHRQ, and Clemson University in past 5 years.
- Grants secured total **\$35,687,623** and **McNeese allocation totals \$4,733,166**.
- Over **140 publications** in top HCI and Human Factors conferences, journals, and other venues.
- **Seven best papers** received or nominated for Best Paper Award in ACM CSCW, ACM GROUP, iConference, ACM HAI, HICSS, and IEEE Cogsima.
- Advising **10 current PhD students** (all graduate research assistants). Supporting 15 graduate research assistantships across Clemson University.
- **Graduated 4 PhD** students.
- Over **50 presentations given** at top academic conferences, US government agencies, the United Nations, NATO, etc.
- Previous Member of **National Academy of Science, Engineering, & Medicine**

Committee on Human-Systems Integration Research- focus Human-AI Teaming.

- Previous Member of **National Academy of Science, Engineering, & Medicine Panel on Human Factors Science.**
- Previous Member of **Army Research Lab Human Research & Engineering Technical Advisory Board.**
- Invited twice as **Chair of NASA Review Panels.**
- **Reviewer of over 40 journals, conferences, and funding agencies.** Multiple time National Science Foundation and The Royal Society panelist/reviewer. Member of multiple editorial boards (including Human Factors) and program committees.
- Leading faculty **research collaboration with North Atlantic Treaty Organization (NATO).**
- Clemson School of Computing **Search Committee Chair** for Provost's initiative on artificial intelligence faculty search. **Successfully hired 3 tenure track faculty members.**
- **Led effort to stand up the Clemson University Data (Science) Laboratory**, which serves as an interdisciplinary hub to provide data science knowledge and resources to faculty, staff, and students. Current Director of the Clemson University Data (Science) Laboratory.
- **Taught 6 different courses at Clemson**, including the development of 3 new courses. Received exemplar teaching evaluations for each course.
- **Founding Director of TRACE Camp**, a web development programming boot-camp aimed at providing educational accessibility to diverse populations at the undergraduate level. Over 100 students have participated in multiple camps.

Sponsored Research Grants and Gifts

Funding Summary

Awarded (total across all grants/gifts): \$35,687,623

McNeese PI projects: \$3,181,979

McNeese Allocation at Clemson: \$4,733,166

External (Active):

2023 **Sole PI, ONR subcontract through ARA, Human-Centered Dashboard Design and Development for Decision Aid Models.** \$172,338. McNeese funding based on percentage credit (100%): \$172,338.

- 2022-2024 **Sole PI, AFOSR**, The Pursuit of Exemplar Ethical Behavior in Human-Autonomy Teaming. \$283,719. McNeese funding based on percentage credit (100%): \$283,719.
- 2022-2025 **Co-PI, South Carolina Commission on Higher Education**, Providing Academic and Social-Emotional Supports: Students, Teachers, and Leaders Program (PASS-STLP). PI: Luke Rapa. \$958,829. McNeese funding based on percentage credit (20%): \$191,766.
- 2021 **Sole PI, ONR**, Connecting and Leveraging Physical and Digital Dimensions to Advance Human-Autonomy Teaming. \$295,792. McNeese funding based on percentage credit (100%): \$295,792.
- 2021-2024 **PI, AFOSR**, The Spread of Trust and Distrust in Distributed Human-Autonomy Teaming Constellations. \$1,302,657. McNeese funding based on percentage credit (80%): \$1,042,125.60.
- 2021-2024 **Sole PI, ONR**, Promoting Human Interpretation and Interaction to Mitigate Bias in Artificial Intelligence Assisted Decision Aids. \$444,368. McNeese funding based on percentage credit (100%): \$444,368.
- 2020-2023 **PI, AFOSR**, Considerations of Ethical and Unethical Behavior on Trust in Human-Autonomy Teaming. \$586,538. McNeese funding based on percentage credit (70%): \$410,576.60.
- 2020-2023 **Co-PI, U.S. Department of Education**, Clemson University's STEM Teacher Learning Progression (CU-TLP). PI: Jeff Marshall. \$3,068,160 Total project (including match): \$4,102,103. McNeese funding based on percentage credit (12%): \$492,252.36.
- 2018-2023 **Co-PI, NSF**, NRT-HDR: Technology-Human Integrated Knowledge Education and Research (THINKER). PI: Laine Mears. \$2,993,421. McNeese funding based on percentage credit (10%): \$299,342.10.
- 2021-2026 **Co-PI, US Army**, The Virtual Prototyping of Ground Systems: Computational Representation and Analysis of Mission and System Requirements- SimBrS. PI: Zoran Filipi. \$18,450,281. McNeese funding based on percentage credit (4.6%): \$851,244.

External (Complete):

- 2019-2021 **Co-PI, NSF**, FW-HTF-P: Wearable Adaptive Cognitive Assistance to Auditory Situational Awareness for Workers Exposed to Complex and Dynamic Noises. PI: Tuyen Le. \$146,198. McNeese funding based on percentage credit (10%): \$14,619.80.
- 2019-2021 **Co-PI, AHRQ**, Human Factors Considerations in the Design and

Implementation of Telemedicine-Integrated Ambulance-based Environments for Stroke Care. PI: Kapil Madathil. \$100,000. McNeese funding based on percentage credit (20%): \$20,000.

2018 **Co-PI, Prisma Health**, Collaborative Approaches to Improving Health-related Quality of Life, Fatigue, and Coping Skills of Adolescent and Young Adult Cancer Patients. PI: Hyewon Shin. \$18,383. McNeese funding based on percentage credit (50%): \$9,191.50.

2016 **Co-PI, ONR**, A Biometric Measurement Suite to Understand the Processes Behind Human Learning and Performance in Complex Settings. PI: Nancy Cooke. \$286,155. McNeese funding based on percentage credit: \$286,155-equipment grant.

2015-2018 **Co-PI, ONR**, Human-Autonomy Teaming in Remotely Piloted Aircraft Systems Operations Under Degraded Conditions. PI: Nancy Cooke. \$920,652. Awarded to Cognitive Engineering Research Institute (CERI). McNeese funding based on percentage credit: N/A- paid as contractor on project due to being postdoc.

2017-2021 **Co-PI, AFOSR**, Improving Situation Awareness in Distributed Human-Robot Teams. Air Force Office of Scientific Research. \$2,014,294. PI: Nancy Cooke & Subbarao Kambhampati. McNeese funding based on percentage credit: N/A- paid as contractor on project due to being postdoc.

2016-2019 **Senior Personnel, ONR**, Planning Challenges in Human Robot Teaming: An Integrated Exploration of Representations, Algorithms and Human Factors. PI: Subbarao Kambhampati. \$774,376. McNeese funding based on percentage credit: N/A- paid as contractor on project due to being postdoc.

2018-2021 **Senior Personnel, NSF**, MRI: Development of Enodia: A highly reconfigurable, HPC-backed instrument enabling multifaceted interactive visualization. PI: Brygg Ullmer. \$693,000. McNeese funding based on percentage credit (2%): \$13,860.

Internal:

2020-2021 **CO-PI, Clemson University Tiger Grant**, Training to Support the Human Elements of Inclusive Teamwork Across Collaborative Spaces: Human-to-human and Virtual. PI: Jennifer Ogle.

2020 **PI, University Professional Internship/Co-op Program (UPIC)**, mentor undergraduate interns for Clemson Data Lab. \$10,000. McNeese funding based on percentage credit (100%): \$10,000.

2020 **PI, Clemson Creative Inquiry**, \$2,000. McNeese funding based on percentage credit (100%): \$2,000.

- 2018 **PI, Clemson Information Technology Student Advisory Board,** TRACECamp: A Web Development Programming Bootcamp. \$26,040. McNeese funding based on percentage credit (100%): \$26,040.
- 2019 **PI, Clemson Information Technology Student Advisory Board,** TRACECamp: A Web Development Programming Bootcamp Round 2. \$14,000. McNeese funding based on percentage credit (100%): \$14,000.
- 2020 **PI, Clemson Information Technology Student Advisory Board,** Clemson Data Lab Equipment. \$33,500. McNeese funding based on percentage credit (100%): \$33,500.
- 2019-2021 **Co-PI, Clemson University Impact Grant,** Using predictive agent based simulation to improve ICU metrics related to interactions between teams, technology, and the health care built environment space. PI: Susan O'Hara \$41,400. McNeese funding based on percentage credit (50%): \$20,700.
- 2018-2019 **PI, Watt Family Faculty Fellow,** Clemson University. \$5,000. McNeese funding based on percentage credit (100%): \$5,000.
- 2019-2020 **PI, Watt Family Faculty Fellow,** Clemson University. \$5,000. McNeese funding based on percentage credit (100%): \$5,000.
- 2018 **PI, Clemson Human Factors Institute Director's Award,** \$1,000. McNeese funding based on percentage credit (100%): \$1,000.

Publications

* Denotes a student advisee

Dissertation (Approved by Committee)

- D.1 **McNeese, N.** (2014). The Role of Team Cognition in Collaborative Information Seeking During Team Decision-Making. The Pennsylvania State University. Doctoral Dissertation.

Journal Articles

- JA.48 *Lopez, J., *Textor, C., *Lancaster, C., *Schelble, B., Freeman, G., *Zhang, R., **McNeese, N.**, & Pak, R. (2023). The Complex Relationship of AI Ethics and Trust in Human-AI Teaming: Insights from Advanced Real-World Subject Matter Experts. *AI and Ethics*.
- JA.47 *Flathmann, C., Schelble B., Rosopa, P., **McNeese, N.**, Mallick, R., & Madathil, K. (2023). Examining the Impact of Varying Levels of AI Teammate Influence on Human-AI Teams. *International Journal of Human-Computer Studies*.

- JA.46 *Zhang, R., *Duan, W., Flathmann, C., **McNeese, N.**, Freeman, G., & *Williams, A. (2023; accepted). Investigating AI Teammate Communication Strategies and Their Impact in Human-AI Teams For Effective Teamwork. *Proceedings of the ACM on Human-Computer Interaction, CSCW*.
- JA.45 *Musick, G., *Gilman, E., *Duan, W., **McNeese, N.**, Knijnenburg, B., O'Neill, T. (2023; accepted). Knowing Unknown Teammates: Exploring Anonymity and Explanations in a Teammate Information-Sharing Recommender System. *Proceedings of the ACM on Human-Computer Interaction, CSCW*.
- JA.44 O'Neill, T., Flathmann, C., **McNeese, N.**, & Salas, E., (2023; accepted). Human-Autonomy Teaming: Need for a Guiding Team-Based Framework? *Computers in Human Behavior*.
- JA.43 *Flathmann, C., **McNeese, N.**, *Schelble, B., Knijnenburg, B., & Freeman, G. (2023; accepted). Understanding the Impact and Design of AI Teammate Etiquette. *Human Computer Interaction*.
- JA.42 *Moster, M., *Kokinda, E., Rodeghero, P., & **McNeese, N.** (2023; accepted). Both Sides of the Story: Changing the "pre-existing culture of dread" surrounding student teamwork in breakout rooms. *Proceedings of the ACM on Human-Computer Interaction. (CSCW)*.
- JA.41 *Hauptman, A.I., *Schelble, B., **McNeese, N.**, & Madathil, K. (2022). Adapt and Overcome: Perceptions of Adaptive Autonomous Agents for Human-AI Teaming. *Computers in Human Behavior*.
- JA.40 Endsley, M., Cooke, N., **McNeese, N.**, Bisantz, A., Militello, L., & Roth, E. (2022). Special Issue on Human-AI Teaming and Special Issue on AI in Healthcare. *Journal of Cognitive Engineering and Decision Making*.
- JA.39 *Textor, C., *Zhang, R., *Lopez, J., *Schelble, B. G., **McNeese, N.**, Freeman, G., Pak, R., Tossell, C., & de Visser, E. (2022). Exploring the Relationship Between Ethics and Trust in Human-AI Teaming: A Mixed Methods Approach. *Journal of Cognitive Engineering and Decision Making*.
- JA.38 *Schelble, B., *Lopez, J., *Textor, C., *Zhang, R., **McNeese, N.**, Pak, R., & Freeman, G. (2022). Towards Ethical AI: Empirically Investigating Dimensions of AI Ethics, Trust, and Performance in Human-AI Teaming. *Human Factors*.
- JA.37 *Schelble, B., *Flathmann, C., **McNeese, N.**, O'Neill, T., Pak, R., & Namara, M. (2022). Investigating the Effects of Perceived Teammate Artificiality on Human Performance and Cognition. *International Journal of Human-Computer Interaction*.

- JA.36 *Schelble, B., *Flathmann, C., *Musick, G., **McNeese, N.**, & Freeman, G. (2022). I See You: Examining the Role of Spatial Information in Human-Agent Teams. *Proceedings of the ACM on Human-Computer Interaction*.(CSCW), 1-27.
- JA.35 *Li, L., Freeman, G., & **McNeese, N.** (2022) Channeling End-User Creativity for Distributed Collaboration in Indie Game Development. *Proceedings of the ACM on Human-Computer Interaction*. (CSCW).
- JA.34 *Schelble, B., *Flathmann, C., **McNeese, N.**, Freeman, G., & *Mallick, R. (2021). Let's Think Together! Assessing Shared Mental Models, Performance, and Trust in Human-Agent Teams. *Proceedings of the ACM on Human-Computer Interaction*. 6 (GROUP), 1-29. DOI: [10.1145/3492832](https://doi.org/10.1145/3492832) ***Best Paper Nomination***
- JA.33 Freeman, G., *Acena, D., **McNeese, N.**, & *Schulenberg, K. (2021). Working Together Apart through Embodiment: Engaging in Everyday Collaborative Activities in Social Virtual Reality. *Proceedings of the ACM on Human-Computer Interaction*. 6 (GROUP), 1-25. DOI: [10.1145/3492836](https://doi.org/10.1145/3492836) ***Best Paper Nomination***
- JA.32 Rogers, H., Chalil Madathil, K., Joseph, A., Holmstedt, C., Qanungo, S., **McNeese, N.**, Morris, T., Holden, R., & McElligott, J. (2021). An Exploratory Study Investigating the Barriers, Facilitators, and Demands Affecting Caregivers in a Telemedicine Integrated Ambulance-Based Setting for Stroke Care. *Applied Ergonomics*. 97. DOI: [10.1016/j.apergo.2021.103537](https://doi.org/10.1016/j.apergo.2021.103537)
- JA.31 Johnson, C., Demir, M., **McNeese, N.**, Gorman, J., Wolff, A., & Cooke, N. (2021). The Influence of Training on Human–Autonomy Team Communications and Trust Calibration. *Human Factors*. DOI: [10.1177/00187208211047323](https://doi.org/10.1177/00187208211047323)
- JA.30 *Musick, G., Freeman, G., & **McNeese, N.** (2021). Gaming as Family Time: Digital Game Coplay in Modern Parent-Child Relationships. *Proceedings of the ACM on Human-Computer Interaction*, 5 (CHI PLAY), 1-25. DOI: [10.1145/3474678](https://doi.org/10.1145/3474678)
- JA.29 Chiou, E., Demir, M., Buchanan, V., Corral, C., Endsley, M., Lematta, G., Cooke, N., & **McNeese, N.** (2021).Towards Human-robot Teaming: Tradeoffs of Explanation-based Communication Strategies in a Virtual Search and Rescue Task. *International Journal of Social Robotics*. 1-20. DOI: [10.1007/s12369-021-00834-1](https://doi.org/10.1007/s12369-021-00834-1)
- JA.28 Demir, M., **McNeese, N.**, Gorman, J., Cooke, N., Myers, C., & Grimm, D. (2021). Exploration of Teammate Trust and Interaction Dynamics in Human-Autonomy Teaming. *IEEE Transactions on Human-Machine Systems*.

51 (6), 696-705. DOI: [10.1109/THMS.2021.3115058](https://doi.org/10.1109/THMS.2021.3115058)

- JA.27 *Musick, G., O'Neill, T., *Schelble, B., **McNeese, N.**, & *Henke, J. (2021). What Happens When Humans Believe Their Teammate is an AI? An Investigation into Humans Teaming with Autonomy. *Computers in Human Behavior*. 122. DOI: [10.1016/j.chb.2021.106852](https://doi.org/10.1016/j.chb.2021.106852)
- JA.26 Herro, D., **McNeese, N.**, *O'Hara, R., & Frady, K. (2021). Exploring Graduate Students' Collaborative Problem-Solving in Engineering Design Tasks. *Journal of Engineering Design*. 32 (9), 496-516. DOI: [10.1080/09544828.2021.1922616](https://doi.org/10.1080/09544828.2021.1922616)
- JA.25 **McNeese, N.**, Demir, M., Cooke, N., & She, M. (2021). Team Situation Awareness and Conflict: A Study of Human-Machine Teaming. *Journal of Cognitive Engineering and Decision Making*. 15 (2-3), 83-96 DOI: [10.1177/15553434211017354](https://doi.org/10.1177/15553434211017354)
- JA.24 **McNeese, N.**, *Schleble, B., *Barberis Canonico, L., & Demir, M. (2021). Who/What is My Teammate? Team Composition Considerations in Human-AI Teaming. *IEEE Transactions on Human-Machine Systems*. 51 (4), 288-299 DOI: [10.1109/THMS.2021.3086018](https://doi.org/10.1109/THMS.2021.3086018)
- JA.23 *Rogers, H., Chalil Madathil, K., Joseph, A., **McNeese, N.**, Holmstedt, C., Holden, R., & McElligott, J. (2021). Task, Usability, and Error Analyses of Ambulance-based Telemedicine for Stroke Care. *IIEE Transactions on Healthcare Systems Engineering*. 11 (3), 192-208. DOI: [10.1080/24725579.2021.1883775](https://doi.org/10.1080/24725579.2021.1883775)
- JA.22 Joseph, A., Madathil, K., Jafarifiroozabadi, R., *Rogers, H., Mihandoust, S., Khasawneh, A., **McNeese, N.**, Holmstedt, C., & McElligott, J. (2021). Communication and teamwork during telemedicine-enabled stroke care in an ambulance. *Human Factors*. 64 (1), 21-41. DOI: [10.1177/0018720821995687](https://doi.org/10.1177/0018720821995687)
- JA.21 *Musick, G., *Zhang, R., **McNeese, N.**, Freeman, G., & *Hridi, A. (2021). Leveling Up Teamwork in Esports: Understanding Team Cognition in a Dynamic Virtual Environment. *Proc. ACM on Human-Computer Interaction, CSCW*. 5 (CSCW1), 1-30. DOI: [10.1145/3449123](https://doi.org/10.1145/3449123)
- JA.20 Freeman, G., & **McNeese, N.** (2021). A Tale of Creativity and Struggles: Team Practices for Bottom-Up Innovation in Virtual Game Jams. *Proc. ACM on Human-Computer Interaction, CSCW*. 5 (CSCW1), 1-27. DOI: [10.1145/3449150](https://doi.org/10.1145/3449150)
- JA.19 **McNeese, N.**, Demir, M., Chiou, E., & Cooke, N. (2021). Trust and Team Performance in Human-Autonomy Teaming. *International Journal of Electronic Commerce- Special Issue on Digital Collaboration*. 25 (1), 51-72. DOI: [10.1080/10864415.2021.1846854](https://doi.org/10.1080/10864415.2021.1846854)

- JA.18 O'Neill, T., **McNeese, N.**, *Barron, A., & *Schelble, B. (2020). Human-Autonomy Teaming: A Review and Analysis of the Empirical Literature. *Human Factors*. DOI: [10.1177/0018720820960865](https://doi.org/10.1177/0018720820960865)
- JA.17 *Zhang, R., **McNeese, N.**, Freeman, G., & *Musick, G. (2020). "An Ideal Human": Expectations of AI Teammates in Human-AI Teaming. *Proc. ACM on Human-Computer Interaction, CSCW*. 4 (CSCW3), 1-25. DOI: [10.1145/3432945](https://doi.org/10.1145/3432945)
- JA.16 Freeman, G., Bardzell, J., Bardzell, S., & **McNeese, N.** (2020). Mitigating Exploitation: Indie Game Developers' Reconfigurations of Labor in Technology. *Proc. ACM on Human-Computer Interaction, CSCW*. 4 (CSCW1), 1-23. DOI: [10.1145/3392864](https://doi.org/10.1145/3392864) *CSCW Honorable Mention Award*
- JA.15 Demir, M. **McNeese, N.**, & Cooke, N. (2020). Understanding Human-Robot Teams in Light of All-Human Teams: Aspects of Team Interaction and Shared Cognition. *International Journal of Human-Computer Studies*. 140. DOI: [10.1016/j.ijhcs.2020.102436](https://doi.org/10.1016/j.ijhcs.2020.102436)
- JA.14 Freeman, G., **McNeese, N.**, Bardzell, J., & Bardzell, S. (2020). "Pro-Amateur"-Driven Technological Innovation: Participation and Challenges in Indie Game Development. *Proc. ACM on Human-Computer Interaction*, 4(GROUP), 1-22. DOI: [10.1145/3375184](https://doi.org/10.1145/3375184)
- JA.13 Demir, M., **McNeese, N.**, & Cooke, N. J. (2019). The Evolution of Human-Autonomy Teams in Remotely Piloted Aircraft Systems Operations. *Frontiers in Communication*, 4, 50. DOI: [10.3389/fcomm.2019.00050](https://doi.org/10.3389/fcomm.2019.00050)
- JA.12 Freeman, G., & **McNeese, N.** (2019). Exploring Indie Game Development: Team Practices and Social Experiences in A Creativity-Centric Technology Community. *Computer Supported Cooperative Work (CSCW)*, 28(3), 723-748. DOI: [10.1007/s10606-019-09348-x](https://doi.org/10.1007/s10606-019-09348-x)
- JA.11 **McNeese, N.** (2019). The Pursuit of Transdisciplinary Research: Eight Recommendations for Integrating Disciplines. *IEEE Systems, Man, and Cybernetics Magazine*, 5(4), 10-15. DOI: [10.1109/MSMC.2019.2935677](https://doi.org/10.1109/MSMC.2019.2935677)
- JA.10 Myers, C., Ball, J., Cooke, N., Freiman, M., Caisse, M., Rogers, S., & **McNeese, N.** (2018). Autonomous Intelligent Agents for Team Training. *IEEE Intelligent Systems*, 34(2), 3-14. DOI: [10.1109/MIS.2018.2886670](https://doi.org/10.1109/MIS.2018.2886670)
- JA.9 Demir, M., Likens, A. D., Cooke, N. J., Amazeen, P. G., & **McNeese, N.** (2018). Team Coordination and Effectiveness in Human-Autonomy Teaming. *IEEE Transactions on Human-Machine Systems*, 49(2), 150-159. DOI: [10.1109/THMS.2018.2877482](https://doi.org/10.1109/THMS.2018.2877482)

- JA.8 Demir, M., **McNeese, N.**, & Cooke, N. J. (2018). The Impact of a Perceived Autonomous Agent on Dynamic Team Behaviors. *IEEE Transactions on Emerging Topics in Computational Intelligence*, 2(4), 258-267. DOI: [10.1109/TETCI.2018.2829985](https://doi.org/10.1109/TETCI.2018.2829985)
- JA.7 **McNeese, N.**, *Demir, M., Cooke, N., & Myers, C. (2018). Teaming with a Synthetic Teammate: Insights into Human Autonomy Teaming. *Human Factors*. 60(2), 262-273. DOI: [10.1177/0018720817743223](https://doi.org/10.1177/0018720817743223)
- JA.6 *Demir, M., **McNeese, N.**, & Cooke, N. (2017). Team Situational Awareness within the Context of Human-Autonomy Teaming. *Cognitive Systems Research*. 46, 3-12. DOI: [10.1016/j.cogsys.2016.11.003](https://doi.org/10.1016/j.cogsys.2016.11.003)
- JA.5 *Buchanan, V., Lu, Y., **McNeese, N.**, Steptoe, M., Maciejewski, R., & Cooke, N. (2017). The Role of Teamwork in the Analysis of Big Data- A Study of Visual Analytics and Box Office Prediction. *Big Data*. 5 (1), 53-66. DOI: [10.1089/big.2016.0044](https://doi.org/10.1089/big.2016.0044)
- JA.4 Gray, R., Cooke, N., **McNeese, N.**, & McNabb, J. (2017). Investigating Team Coordination in Baseball Using a Novel Joint Decision-Making Paradigm. *Frontiers in Psychology*. 8: 907. DOI: [10.3389/fpsyg.2017.00907](https://doi.org/10.3389/fpsyg.2017.00907)
- JA.3 **McNeese, N.** & Reddy, M. (2017). The Role of Team Cognition in Collaborative Information Seeking. *Journal of the Association for Information Science and Technology*. 68(1), 129-140. DOI: [10.1002/asi.23614](https://doi.org/10.1002/asi.23614)
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Book Chapters:

- B.9 *Duan, W., **McNeese, N.**, & *Zhang, R. (in press). Communication in Human-AI Teaming. In T. Reimer, E. Park., J. Bonito (Eds.), *Group Communication: An Advanced Introduction*. Routledge/Taylor and Francis.
- B.8 *Flathmann, C., *Schelble, B.G., & **McNeese, N.** (in press). Refocusing Human-AI Interaction Through a Teamwork Lens. Book Chapter in *Handbook on Virtual Work*. Edward Elgar Publishing.

- B.7 Rapa, L., Marshall, J., Madison, S., *Flathmann, C., Knijnenburg, B., & **McNeese, N.** (2021). Clemson University's teacher learning progression program: Personalized advanced credentials for teachers. In Y. Huang (Ed.), *Credential innovations for inclusive pathways to professions*. Hershey, PA: IGI Global.
- B.6 McNeese, M., **McNeese, N.**, Delise, L., Rentsch, J., & Brown, C. (2020). "Reflections on Team Simulations- Part 2: Contemporary Progressions", Chapter in *Foundations and Theoretical Perspectives of Distributed Team Cognition*. pg. 49-90. CRC Press. ISBN 9781138625549. DOI: N/A
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- B.4 McNeese, M. D., & **McNeese, N.** (2020). Humans interacting with intelligent machines: at the crossroads of symbiotic teamwork. In *Living with Robots*. pg. 165-197. Academic Press. DOI: [10.1016/B978-0-12-815367-3.00009-8](https://doi.org/10.1016/B978-0-12-815367-3.00009-8)
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- C.73 *Zhou, S., *Yin, X., *Scalia, M. J., *Zhang, R., Gorman, J., & **McNeese, N.** (2023). Development of a Real-Time Trust/Distrust Metric Using Interactive Hybrid Cognitive Task Analysis. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. Sage CA: Los Angeles, CA: SAGE Publications.
- C.72 *Mallick, R., *Sawant, S., *Brady, C., **McNeese, N.**, & Madathil, K., (2023). Can We Build it? Yes, We Can! Development Procedure of High-Fidelity Simulation Environments for Human-Agent Teams. In *Proceedings of the*

Human Factors and Ergonomics Society Annual Meeting. Sage CA: Los Angeles, CA: SAGE Publications.

- C.71 *Sawant, S., *Mallick, R., *Brady, C., Madathil, K., & **McNeese, N.** (2023). Human-AI teams in complex military operations: Soldiers' perception of intelligent AI agents as teammates in human-AI teams. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. Sage CA: Los Angeles, CA: SAGE Publications.
- C.70 *Sawant, S., *Mallick, R., *Brady, C., Madathil, K., & **McNeese, N.**, (2023). Balancing the Scales of Explainable and Transparent AI Agents within Human-Agent Teams. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. Sage CA: Los Angeles, CA: SAGE Publications.
- C.69 *Schulenberg, K., *Li, L., Freeman, G., & **McNeese, N.** (2023). Towards Leveraging AI-based Moderation to Address Emergent Harassment in Social Virtual Reality. *The 2023 ACM Conference on Human Factors in Computing Systems (CHI'23)*.
- C.68 Freeman, G. , *Li, L., **McNeese, N.**, & *Schulenberg, K. (2023). Understanding and Mitigating Challenges for Non-Profit Driven Indie Game Development to Innovate Game Production. *The 2023 ACM Conference on Human Factors in Computing Systems (CHI'23)*.
- C.67 *Musick, G., *Schelble, B.G., *Mallick, R., & **McNeese, N.** (2023). Intelligent Sharing is Caring: Toward the Design of an Intelligent System to Facilitate Team Sharing. In *Proceedings of the 56th Hawaii International Conference on System Sciences*.
- C.66 *Schelble, B.G., *Lancaster, C., *Duan, W., *Mallick, R., **McNeese, N.**, & *Lopez, J. (2023). The Effect of Ethical and Unethical AI Actions on Outcomes of Trust and Performance in Human-AI Teams. In *Proceedings of the 56th Hawaii International Conference on System Sciences*.
- C.65 *Hauptman, A., *Duan, W., & **McNeese, N.**. (2022). The Components of Trust for Collaborating With AI Colleagues. *CSCW'22 Companion: Companion Publication of the 2022 Conference on Computer Supported Cooperative Work and Social Computing*. DOI: 10.1145/3500868.3559450
- C.64 *Guo, L., *Flathmann, C., *Anaraky, R., **McNeese, N.**, & Knijnenburg, B. (2022) The Effect of Recommendation Source and Justification on Professional Development Recommendations for High School Teachers. *HT'22: 33rd ACM Conference on Hypertext and Social Media*.
- C.63 *Hauptman, A., *Schelble, B., & **McNeese, N.** (2022). Adaptive Autonomy as a Means for Implementing Shared Ethics in Human-AI Teams. In 2022

AAAI Spring Symposium on AI Engineering.

- C.62 *Hauptman, A., & **McNeese, N.** (2022). Overcoming the Lumberjack Effect Through Adaptive Autonomy. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. Sage CA: Los Angeles, CA: SAGE Publications.
- C.61 Lopes, S., *Brady, C., Madathil, K., Betrand, J., Li, D., & **McNeese, N.** (2022). Effect of Fatigue on Trust and Workload While Collaborating with AI-enabled Infrastructure Visual Inspection Systems. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. Sage CA: Los Angeles, CA: SAGE Publications.
- C.60 *Mallick, R., *Sawant, S., **McNeese, N.**, & Madathil, K., (2022). Designing for Mutually Beneficial Decision Making in Human-Agent Teaming. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. Sage CA: Los Angeles, CA: SAGE Publications.
- C.59 *Sawant, S., *Mallick, R., Madathil, K., & **McNeese, N.**, (2022). Mutually beneficial decision making in human-AI teams: Understanding soldier's perception and expectations of AI teammates in human-AI teams. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. Sage CA: Los Angeles, CA: SAGE Publications.
- C.58 *Flathmann, C., *Schelble, B., & **McNeese, N.** (2021). Fostering Human-Agent Team Leadership by Leveraging Human Teaming Principles. In *2021 IEEE International Conference on Human-Machine Systems*. DOI: [10.1109/ICHMS53169.2021.9582649](https://doi.org/10.1109/ICHMS53169.2021.9582649)
- C.57 *Flathmann, C., *Schelble, B., *Zhang, R., & **McNeese, N.** (2021). Modeling and Guiding the Creation of Ethical Human-AI Teams. In *2021 AAAI/ACM Conference on AI, Ethics, and Society*. DOI: [10.1145/3461702.3462573](https://doi.org/10.1145/3461702.3462573)
- C.56 *Kirabo, L., *Namara, M., & **McNeese, N.** (2021). "The Power of the Blue Tick." Ugandans' experiences and engagement on Twitter at the onset of the COVID-19 pandemic. In *2021 ACM African Human-Computer Interaction Conference (AfriCHI '21)*, March 8-12, 2021. Maputo, Mozambique. DOI: [10.1145/3448696.3448746](https://doi.org/10.1145/3448696.3448746)
- C.55 *Rogers, H., Chalil Madathil, K., Joseph, A., Holmstedt, C., Qanungo, S., **McNeese, N.**, Morris, T., Holden, R. & McElligott, J. (2021). Barriers and facilitators in a telemedicine-integrated ambulance-based setting for stroke care. In *Proceedings of the 2021 IEA Conference*. DOI: [10.1016/j.apergo.2021.103537](https://doi.org/10.1016/j.apergo.2021.103537)
- C.54 *Schelble, B.G., *Flathmann, C., *Canonico, L., & **McNeese, N.** (2021).

- Understanding Human-AI Cooperation Through Game-Theory and Reinforcement Learning Models. In *Proceedings of the 54th Hawaii International Conference on System Sciences (HICSS)*. (pp. 348). DOI: [10.24251/HICSS.2021.041](https://doi.org/10.24251/HICSS.2021.041) ***Best Paper Nomination***
- C.53 *Schelble, B., **McNeese, N.**, & *Flathmann, C. (2020). Towards Meaningfully Integrating Human-Autonomy Teaming in Applied Settings. In *Proceedings of the 8th International Conference on Human Agent Interaction (HAI)*; ACM Co-Sponsor. (pp. 149-156). DOI: [10.1145/3406499.3415077](https://doi.org/10.1145/3406499.3415077)
- C.52 *Flathmann, C., *Schelbe, B., *Tubre, B., **McNeese, N.**, & Rodeghero, P. (2020). Invoking Principles of Groupware to Develop and Evaluate Present and Future Human-Agent Teams. In *Proceedings of the 8th International Conference on Human Agent Interaction (HAI)*; ACM Co-Sponsor. (pp. 15-24). DOI: [10.1145/3406499.3415072](https://doi.org/10.1145/3406499.3415072) ***Overall Best Paper Award***
- C.51 *Zhang, R., Freeman, G., & **McNeese, N.** (2020). Breakups on Social Media: Social Behaviors and Dilemmas. *The 2020 ACM Conference on Computer Supported Cooperative Work and Social Computing Late Breaking Work (CSCW'20 Companion)*. (pp. 431-435). DOI: [10.1145/3406865.3418310](https://doi.org/10.1145/3406865.3418310)
- C.50 *Musick, G., *Maloney, D., **McNeese, N.**, & Walton, J. (2020). Differentiated Instruction further Realized through Teacher-Agent Teaming. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (Vol. 64, No. 1, pp. 1318-1322). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1071181320641315](https://doi.org/10.1177/1071181320641315)
- C.49 *Scheble, B., *Barberis Canonico, L., **McNeese, N.**, *Carroll, J., & *Hird, C., (2020). Designing Human-Autonomy Teaming Experiments Through Reinforcement Learning. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (Vol. 64, No. 1, pp. 1426-1430). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1071181320641340](https://doi.org/10.1177/1071181320641340)
- C.48 Rogers, H., Ponathil, A., Madathil, K., Joseph, A., **McNeese, N.**, Holmstedt, C., & McElligot, J. (2020). Evaluation and Prediction of Human Error in Ambulance-Based Telemedicine Stroke Assessment. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (Vol. 64, No. 1, pp. 663-663). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1071181320641151](https://doi.org/10.1177/1071181320641151)
- C.47 *Barberis Canonico, L., *Vakeel, V., *Dominic, J., Rodeghero, P., & **McNeese, N.** (2020). Human-AI Partnerships for Chaos Engineering. In *Proceedings of the IEEE/ACM 42nd International Conference on Software Engineering Workshops*. (pp. 499-503). DOI: [10.1145/3387940.3391493](https://doi.org/10.1145/3387940.3391493) (Publishing error left my name off authorship online).

- C.46 Rogers, H., Madathil, K., **McNeese, N.**, Ponathil, A., McElligott, J., Holmstedt, C., & Joseph, A. (2020). Heuristic Evaluation of a Pilot Telemedicine System for Stroke Evaluation in Ambulances. 2020 *International Symposium on Human Factors and Ergonomics in Healthcare*. Virtual. DOI: N/A
- C.45 Johnson, C., Demir, M., Zabala, G., He, H., Grimm, D., Radigan, C., Wolff, A., Cooke, N., **McNeese, N.**, & Gorman, J. (2020). Training and Verbal Communications in Human–Autonomy Teaming Under Degraded Conditions. In *2020 IEEE International Multi-Disciplinary Conference on Cognitive Methods in Situation Awareness and Decision Support (COGSIMA)*. (pp. 53-58). IEEE. DOI: [10.1109/CogSIMA49017.2020.9216061](https://doi.org/10.1109/CogSIMA49017.2020.9216061)
- C.44 *Barberis Canonico, L., & **McNeese, N.** (2019). Flash Crashes in Multi-Agent Systems: Using Minority Games and Reinforcement Learning to Test AI Safety. In *2019 Winter Simulation Conference*. (pp. 193-204). Washington, DC. IEEE. DOI: [10.1109/WSC40007.2019.9004675](https://doi.org/10.1109/WSC40007.2019.9004675)
- C.43 *Flathmann, C., **McNeese, N.**, & *Barberis Canonico, L. (2019). Using Human-Agent Teams to Purposefully Design Multi-Agent Systems. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (Vol. 63, No. 1, pp. 1425-1429). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1071181319631238](https://doi.org/10.1177/1071181319631238)
- C.42 *Barberis Canonico, L., **McNeese, N.**, & *Flathmann, C. (2019). The Wisdom of the Market: Using Human Factors to Design Prediction Markets for Collective Intelligence. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (Vol. 63, No. 1, pp. 1471-1475). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1071181319631282](https://doi.org/10.1177/1071181319631282)
- C.41 *Barberis Canonico, L., **McNeese, N.**, & *Flathmann, C. (2019). Collectively Intelligent Teams: Integrating Team Cognition, Collective Intelligence, and AI for Future Teaming. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (Vol. 63, No. 1, pp. 1466-1470). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1071181319631278](https://doi.org/10.1177/1071181319631278)
- C.40 Grimm, D. A., Demir, M., Gorman, J. C., Cooke, N. J., & **McNeese, N.** (2019). Layered Dynamics and System Effectiveness of Human-Autonomy Teams Under Degraded Conditions. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (Vol. 63, No. 1, pp. 165-165). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1071181319631307](https://doi.org/10.1177/1071181319631307)
- C.39 Demir, M., **McNeese, N.**, Cooke, N. J., Grimm, D. A., & Gorman, J. C. (2019). An Empirical Exploration of Resilience in Human-Autonomy Teams Operating Remotely Piloted Aircraft Systems. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (Vol. 63, No. 1, pp. 153-154).

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- C.38 Demir, M., **McNeese, N.**, She, M., & Cooke, N. J. (2019). Team Coordination of Team Situation Awareness in Human-Autonomy Teaming. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (Vol. 63, No. 1, pp. 146-147). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1071181319631259](https://doi.org/10.1177/1071181319631259)
- C.37 Lematta, G. J., Coleman, P. B., Bhatti, S. A., Chiou, E. K., **McNeese, N.**, Demir, M., & Cooke, N. J. (2019). Developing Human-Robot Team Interdependence in a Synthetic Task Environment. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (Vol. 63, No. 1, pp. 1503-1507). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1071181319631433](https://doi.org/10.1177/1071181319631433)
- C.36 Freeman, G., Bardzell, J., Bardzell, S., & **McNeese, N.** (2019). The Innovation Ecology: Collaborative Information, Community Support, and Policy in a Creative Technology Community. In *International Conference on Information (iConference)*. (pp. 614-624). Springer, Cham. DOI: [10.1007/978-3-030-15742-5_58](https://doi.org/10.1007/978-3-030-15742-5_58) ***Best Paper Nomination (Top 5 out of 133 submissions)***
- C.35 Demir, M., **McNeese, N.**, Johnson, C., Gorman, J. C., Grimm, D., & Cooke, N. J. (2019). Effective Team Interaction for Adaptive Training and Situation Awareness in Human-Autonomy Teaming. In *2019 IEEE Conference on Cognitive and Computational Aspects of Situation Management (CogSIMA)*. (pp. 122-126). IEEE. DOI: [10.1109/COGSIMA.2019.8724202](https://doi.org/10.1109/COGSIMA.2019.8724202)
- C.34 **McNeese, N.**, Demir, M., Choui, E., Cooke, N., & Yanikan, G. (2019). Understanding the Role of Trust in Human-Autonomy Teaming. In *Proceedings of the 52nd Hawaii International Conference on System Sciences (HICSS)*. Maui, HI. (pp. 254-263). DOI: [10.24251/HICSS.2019.032](https://doi.org/10.24251/HICSS.2019.032)
- C.33 *Barberis Canonico, L.& **McNeese, N.**, & *Duncan, C. (2018). Machine Learning as Grounded Theory: Human-Centered Interfaces for Social Network Research through Artificial Intelligence. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (pp. 1252-1256.) Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1541931218621287](https://doi.org/10.1177/1541931218621287)
- C.32 *Barberis Canonico, L.& **McNeese, N.** (2018). Intelligent and Human-Centered Clinical Checklists: A Voice Interface for Virtualized Clinical Paths. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (pp. 1197-1201.) Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1541931218621275](https://doi.org/10.1177/1541931218621275)
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- Teamwork Marriages in Healthcare: Applying Machine Learning to Surgeon-Nurse Patient Matching. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (pp. 1202-1206.) Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1541931218621276](https://doi.org/10.1177/1541931218621276)
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- C.28 *Demir, M. Amazeen, N., **McNeese, N.**, Cooke, N., & Likens, A. (2017). Team Coordination Dynamics in Human-Autonomy Teaming. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (Vol. 61, No. 1, pp. 236-236). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1541931213601542](https://doi.org/10.1177/1541931213601542)
- C.27 *Demir, M., **McNeese, N.**, & Cooke, N. (2017). Team Synchrony in Human-Autonomy Teaming. In *8th International Conference on Applied Human Factors and Ergonomics (AHFE 2017) and the Affiliated Conferences*. (pp. 303-312). Springer, Cham. DOI: [10.1007/978-3-319-60384-1_29](https://doi.org/10.1007/978-3-319-60384-1_29)
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- C.24 *Demir, M., **McNeese, N.**, Cooke, N., & Myers, C. (2016). The Synthetic Teammate as a Team Player in Command-and-Control Teams. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (Vol. 60, No. 1, pp. 116-116). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1541931213601026](https://doi.org/10.1177/1541931213601026)
- C.23 McNeese, M., & **McNeese, N.** (2016). Intelligent Teamwork: A History, Framework, and Lessons Learned. In *Proceedings of the Human Factors and*

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- C.22 Myers, C., Ball, J., Cooke, N., *Demir, M., **McNeese, N.**, Caisse, M., Freiman, M., & Halverson, T. (2016). Maintaining Team Training Efficacy with Autonomous Synthetic Teammates. In *2016 Interservice/Industry Training, Simulation, and Education Conference*. Orlando, FL. DOI: N/A
- C.21 **McNeese, N.**, Cooke, N., Gray, R., & *Fedele, M. (2016). Knowledge Elicitation Methods for Developing Insights into Team Cognition During Team Sports. In *7th International Conference on Applied Human Factors and Ergonomics (AHFE 2016) and the Affiliated Conferences*. (pp. 3-15). Springer, Cham. DOI: [10.1007/978-3-319-41953-4_1](https://doi.org/10.1007/978-3-319-41953-4_1)
- C.20 McNeese, M., **McNeese, N.**, Endsley, T., Reep, J., & Forster, P. (2016). Simulating Team Cognition in Complex Systems: Practical Considerations for Researchers. In *7th International Conference on Applied Human Factors and Ergonomics (AHFE 2016) and the Affiliated Conferences*. (pp. 255-267). Springer, Cham. DOI: [10.1007/978-3-319-41691-5_22](https://doi.org/10.1007/978-3-319-41691-5_22)
- C.19 **McNeese, N.** & Cooke, N. (2016). Team Cognition As A Mechanism For Developing Collaborative and Proactive Decision Support in Unmanned Aerial Systems. In *18th International Conference on Human- Computer Interaction*. (pp. 198-209). Springer, Cham. DOI: [10.1007/978-3-319-39952-2_20](https://doi.org/10.1007/978-3-319-39952-2_20)
- C.18 *Demir, M., **McNeese, N.**, & Cooke, N. (2016). Team Communication Behaviors of The Human-Automation Teaming. In *2016 IEEE International Multi-Disciplinary Conference on Cognitive Methods in Situation Awareness and Decision Support (COGSIMA)*. (pp. 28-34). IEEE. DOI: [10.1109/COGSIMA.2016.7497782](https://doi.org/10.1109/COGSIMA.2016.7497782) ***Overall Best Paper of 2016 Cogsima Conference***
- C.17 *Hinski, S., Cooke, N., **McNeese, N.**, Sen, A., & Patel, B. (2016). A Human Factors Approach to Building High-Performance Multi-Professional Cardiac Arrest Teams: Developing a Code Blue Team Performance Metric. In *Proceedings of the International Symposium on Human Factors and Ergonomics in Health Care*. (Vol. 5, No. 1, pp. 68-71). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/2327857916051006](https://doi.org/10.1177/2327857916051006)
- C.16 **McNeese, N.**, Cooke, N., & *Buchanan, V. (2015). Human Factors Guidelines for Developing Collaborative Intelligence Analysis Technologies. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (Vol. 59, No. 1, pp. 821-825). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1541931215591249](https://doi.org/10.1177/1541931215591249)

- C.15 **McNeese, N., *Buchanan, V., & Cooke, N.** (2015). The Cognitive Science of Intelligence Analysis. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (Vol. 59, No. 1, pp. 826-830). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1541931215591250](https://doi.org/10.1177/1541931215591250)

- C.14 **McNeese, N., & Reddy, M.** (2015). Concept Mapping as a Methodology to Develop Insights on Cognition During Collaborative Information Seeking. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (Vol. 59, No. 1, pp. 245-249). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1541931215591050](https://doi.org/10.1177/1541931215591050)

- C.13 **McNeese, N., & Reddy, M.** (2015). Articulating and Understanding the Development of a Team Mental Model in a Distributed Medium. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (Vol. 59, No. 1, pp. 240-244). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1541931215591049](https://doi.org/10.1177/1541931215591049)

- C.12 ***Demir, M., McNeese, N., Cooke, N., Ball, J., & Myers, C.** (2015). Synthetic Teammate Communication and Coordination with Humans. In *Proceedings of the Human Factors And Ergonomics Society Annual Meeting*. (Vol. 59, No. 1, pp. 951-955). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1541931215591275](https://doi.org/10.1177/1541931215591275)

- C.11 ***Demir, M., & McNeese, N.** (2015). The Role of Recognition Primed Decision Making in Human Automation Teaming. In *International Conference on Naturalistic Decision Making 2015*. McLean, VA. (pp. 1-4). DOI: N/A

- C.10 **McNeese, N., Cooke, N., *Fedele, M., & Gray, R.** (2015). Theoretical and Methodical Approaches to Studying Team Cognition in Sports. In *6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences*. (pp. 1211-1218). DOI: [10.1016/j.promfg.2015.07.201](https://doi.org/10.1016/j.promfg.2015.07.201)

- C.9 **McNeese, M., Mancuso, V., McNeese, N., & Glantz, E.** (2015). What Went Wrong, What Can Go Right: A Prospectus on Human Factors Practice. In *6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences*. (pp. 5222-5229). DOI: [10.1016/j.promfg.2015.07.592](https://doi.org/10.1016/j.promfg.2015.07.592)

- C.8 **McNeese, N., Cooke, N., Hoffman, R., Klein, G., McNeese, M., & Patterson, E.** (2015). The Human Factors of Intelligence Analysis. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. (Vol. 59. No.1, pp. 130-134). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1541931215591027](https://doi.org/10.1177/1541931215591027)

- C.7 **McNeese, N., Reddy, M., & *Friedenberg, E.** (2014). Team Mental Models

within Collaborative Information Seeking. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 58, No. 1, pp. 335-339). Sage CA: Los Angeles, CA: SAGE Publications. DOI: doi.org/10.1177/1541931214581069

- C.6 McNeese, M., Mancuso, V., **McNeese, N.**, Endsley, T. & Forster, P. (2014). An Integrative Simulation to Study Team Cognition in Emergency Crisis Management. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 58, No. 1, pp. 285-289). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/1541931214581059](https://doi.org/10.1177/1541931214581059)
- C.5 Murphy, A., Reddy, M., & **McNeese, N.** (2014). Exploring the Perceptions and Use of Electronic Medical Record Systems by Non-Clinicians. In *Proceedings of the 2014 Conference on Designing Interactive systems (DIS)* (pp. 429-432). DOI: [10.1145/2598510.2600884](https://doi.org/10.1145/2598510.2600884)
- C.4 Johnson, N., Murphy, A., **McNeese, N.**, Reddy, M., & Purao, S. (2013). A Survey on Rural Hospitals' Perspectives on Health Information Technology Outsourcing. In *AMIA Annual Symposium Proceedings* (Vol. 2013, p. 732). American Medical Informatics Association. DOI: N/A
- C.3 McNeese, M., Mancuso, V., **McNeese, N.**, Endsley, T., & Forster, P. (2013). Using the Living Laboratory Framework as a Basis for Understanding Next Generation Analyst Work. In *SPIE Defense, Security, and Sensing*. (pp. 87580F-87580F-12). DOI: [10.1117/12.2016514](https://doi.org/10.1117/12.2016514)
- C.2 Caragea, C., **McNeese, N.**, Jaiswal, A., Traylor, G., Kim, W., Mitra, P., Wu, D., Tapia, A., Giles, L., Jansen, B. J., & Yen, J. (2011). Classifying Text Messages for the Haiti Earthquake. In *Proceedings of the 8th international ISCRAM conference*. Lisbon, Portugal. DOI: N/A
- C.1 **McNeese, N.**, Pfaff, M., Santoro, G., & McNeese, M. (2008). Team Performance in Real and Virtual Worlds: The Perceived Value of Second Life. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 52, No. 19, pp. 1435-1439). Sage CA: Los Angeles, CA: SAGE Publications. DOI: [10.1177/154193120805201928](https://doi.org/10.1177/154193120805201928)

Published Reports & Technical Reports:

- R.6 National Academies of Engineering, Sciences, and Medicine. 2021 Human-AI Teaming: State of the Art and Research Needs.
- R.5 The Spread of Trust and Distrust in Distributed Human-Autonomy Teaming Constellations. Technical Report for Grant no. FA9550-19-S-0003.
- R.4 Considerations of Ethical and Unethical Behavior on Trust in Human-Autonomy Teaming Year 2. Technical Report for Grant no.

FA9550-20-1-0342.

- R.3 National Academies of Engineering, Sciences, and Medicine, 2019-2020 Human Factors Science Assessment of the Army Research Laboratory.
- R.2 Considerations of Ethical and Unethical Behavior on Trust in Human-Autonomy Teaming Year 1. Technical Report for Grant no. FA9550-20-1-0342
- R.1 2016 Synthetic Teammates as Team Players: Coordination of Human and Synthetic Teammates. Technical Report for Grant no. N000141110844.

Patents and Technology Disclosures:

- TD.1 Madathil, K., Bertrand, J., McNeese, N., Sawant, S., Mallick, R., Brady C., Gramopadhye, A. (2023) Suite for Human-AI Teaming Research, Clemson University: College of Engineering Computing and Applied Sciences, Approved: 00657

Workshop Papers & Organization (Peer Reviewed):

- WP.8 *Schelbe, B., *Sengupta, S., *Williams, A., & **McNeese, N.** (2023). Addressing Trust Repair for AI Ethicality: The Influence of Team Role and Violation Type [Paper presentation]. *Workshop on Trust and Reliance in AI-Assisted Tasks (at CHI 2023)*, Hamburg, Germany. April 23, 2023.
- WP.7 *Lancaster, C., *Aly, H., *Sengupta, S., & **McNeese, N.** (2023). Responsible Human-AI Teaming: Interface Designs to Promote Bias Awareness in Human-AI Fact-checking Teams. *Workshop on Trust and Reliance in AI-Assisted Tasks (TRAIT) (at CHI 2023)*, Hamburg, Germany. April 23, 2023.
- WP.6 *Sengupta, S., & **McNeese, N.** (2023). Synthetic Authority: Speculating the Future of Leadership in the Age of Human-Autonomy Teams. *AutomationXP23: Intervening, Teaming, Delegating - Creating Engaging Automation Experiences (at CHI 2023)*, Hamburg, Germany. April 23, 2023.
- WO.1 O'Neill, T., & **McNeese, N.** (2023). Human-Autonomy Teaming: Mapping Out a Way Forward. *56th Hawaii International Conference on System Sciences*.
- WP.5 *Flathmann, C. & **McNeese, N.** (2022). Understanding the Criticality of Human Adaptation when Designing Human-Centered AI Teammates. *HCAI@NeurIPS 2022*. Virtual. December 9, 2022.
- WP.4 *Schelble, B., *Flathmann, C., *Scalia, M., *Zhou, S., Myers, C., **McNeese, N.**, Gorman, J., & Freeman, G. (2022). Addressing the Spread of Trust and Distrust in Distributed Human-AI Teaming Constellations. Workshop on Trust and Reliance in AI-Human Teams (TRAIT). *The 2022 ACM Conference*

on *Human Factors in Computing Systems (CHI'22)*. New Orleans, LA. April 30th, 2022.

- WP.3 *Guo, L., *Anaraky, R., *Flathmann, C., **McNeese, N.**, & Knijnenburg, B. (2021). How to Recommend Professional Development Pathways to High School Teachers. Workshop on Human-Machine Partnerships in the Future of Work: Exploring the Role of Emerging Technologies in Future Workplaces. *2021 ACM Conference on Computer Supported Cooperative Work (CSCW'21)*. Virtual. Oct. 23rd, 2021.
- WP.2 Schelble, B.*, Flathmann, C.*, & **McNeese, N.** (2021). Reducing Bias by Prioritizing Multi-Cultural Human-Agent Teams. Workshop on Human-Machine Partnerships in the Future of Work: Exploring the Role of Emerging Technologies in Future Workplaces. *2021 ACM Conference on Computer Supported Cooperative Work (CSCW'21)*. Virtual. Oct. 23rd, 2021.
- WP.1 **McNeese, N.** & Reddy, M. (2013). Studying Team Cognition during Collaborative Information Seeking: A Position Paper. Workshop on Collaborative Information Seeking: Consolidating the Past, Creating the Future. *2013 ACM Conference on Computer Supported Cooperative Work (CSCW'13)*. San Antonio, Tex. Feb. 24, 2013.

Panels:

- PL.7 Board on Human Systems Integration (BOHSI) Spring 2023 Seminar Multidisciplinary Collaboration and Technology: How Diverse Groups Work Together. *National Academies of Sciences, Engineering, and Medicine*. March 21, 2023.
- PL.6 UNIDIR Webinar "Human-AI Teaming" *United Nations*. January 25, 2023.
- PL.5 The National Academies Board on Human System Integration (BOHSI) Panel: Human-AI Teaming: Research Frontiers. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. Sage CA: Los Angeles, CA: SAGE Publications. October 2022
- PL.4 AIRISE Coded Bias Film Screening: Panel with Experts. *Clemson University*. October 20, 2021.
- PL.3 New Inspirations for Intelligent Autonomy. *ONR Science of Autonomy Program Meeting*. August 4, 2020.
- PL.2 Artificial Intelligence: Implications of the Fourth Industrial Revolution Panel. *Dahlonge Science Festival 2020*. March 7, 2020.
- PL.1 Clemson University State of the Science Panel. *Inaugural International Nursing Conference for Excellence in Healthcare Design: History, Design and*

Innovation. August 17, 2019.

Research Posters:

- P.15 *Lancaster, C., *Gilman, E., *Duan, W., *Sengupta, S., Flathmann, C., **McNeese, N.** (2023). Promoting Human Interpretation and Interaction to Mitigate Bias in Artificial Intelligence Assisted Decision Aids Through Intentional Interface Designs. In *Seventh Annual Workshop on Naval Applications of Machine Learning (NAML 2023)*. San Diego, CA.
- P.14 * Mallick, R., **McNeese, N.**, Brooks, J., & Madathil, K. C. (2021). Building bi-directional HCA frameworks for Human-Artificial Intelligent Teams. *VIPR-GS Student Symposium*. September 24, 2021.
- P.13 *Flathmann, C., *Schelble, B., & **McNeese, N.** (2019) Creating Human-Oriented Multi-Agent Teams. *Insights @ BMW Manufacturing Co. LLC*. September 12, 2019.
- P.12 *Flathmann, C., & **McNeese, N.** (2019) Using Human-Agent Teams to Purposefully Design Multi-Agent Teams. *2019 Clemson University Research Symposium*. May 8, 2019.
- P.11 Mears, L., **McNeese, N.**, Apon, A., Summers, J., Frady, K., Stanley, L., Switzer, D., Herro, D., & Niaki, F. (2019) NSF THINKER: A New National Model for Integrated Education Technology-Human INtegrated Knowledge, Education, and Research. *2019 Clemson University Research Symposium*. May 8, 2019.
- P.10 O'Hara, R., Frady, R., Herro, D., **McNeese, N.**, & Switzer, D. (2019) Technology-Human INtegrated Knowledge Research Education: Educational Team Developing Insights for a New Graduate Program. *2019 Clemson University Research Symposium*. May 8, 2019.
- P.9 **McNeese, N.** (2018) Explorations of Team Cognition and Technology. *CRA Computing Community Consortium Early Career Researcher Symposium*. August 1, 2018.
- P.8 **McNeese, N.**, *Barberis Canonico, L., *Blando, A., & *Dejesus, R. (2018). Team Research Analytics in Computational Environments (TRACE) Research Group. *Southeastern Human Factors Applied Research Conference*. April 7, 2018.
- P.7 *Hinski, S., **McNeese, N.**, Khera, N., Wordingham, S., Arring, N., Nyquist, S., Gentry, A., Tomlinson, B., Cooke, N., & Sen, A. Team Cognition As a Means to Improve Care Delivery in Critically Ill Patients With Cancer After Hematopoietic Cell Transplantation. *HFES 2017 International Symposium on*

Human Factors and Ergonomics in Health Care. New Orleans, LA. March 7, 2017.

- P.6 *Buchanan, V., **McNeese, N.**, Lu, Y., Wang, F., Cooke, N., & Maciejewski, R. (2015). An Empirical Testbed for Human-in-the-Loop Studies of Collaboration with Visualization. *Foresight Partner Meeting, Arizona State University, Tempe, AZ*. February 19, 2015.
- P.5 **McNeese, N.**, *Fedele, M., *Buchanan, V., & Cooke, N. (2015). Human Factors Guidance for Collaborative Intelligence Analysis. *Foresight Partner Meeting, Arizona State University, Tempe, AZ*. February 19, 2015.
- P.4 **McNeese, N.**, *Buchanan, V., & Cooke, N. (2015). The Cognitive Science of Intelligence Analysis. *Foresight Partner Meeting, Arizona State University, Tempe, AZ*. February 19, 2015.
- P.3 **McNeese, N.** (2014). Studying Team Cognition During Collaborative Information Seeking. *The 2014 Pennsylvania State University Graduate Exhibition, The Pennsylvania State University, University Park, PA*. April 6, 2014.
- P.2 Murphy, A., **McNeese, N.**, & Reddy, M. (2012). "Supporting Multi-Disciplinary Team (MDT) Collaboration through the EMR." Poster Presentation. *NSF CHOT Industry Advisory Board Meeting. Hershey, PA*. September 6-7, 2012.
- P.1 Murphy, A., **McNeese, N.**, Reddy, M., & DeFlitch, C. (2012). Exploring How Electronic Medical Record (EMR) Systems Support Non-Clinical Users. *The 2012 Center for Health Organization Transformation (CHOT) Advisory Board Meeting, Hershey, PA*. Sep 6, 2012.

Public Relations Coverage:

- PR.13 "Powell, McNeese named Researchers of the Year" 5/11/22.
<https://news.clemson.edu/powell-mcneese-named-researchers-of-the-year/>.
- PR.12 Paul Alonghi. "Artificial intelligence could one day be your teammate" 11/1/21. <https://news.clemson.edu/artificial-intelligence-could-one-day-be-your-teammate/>.
- PR.11 Alex Cooper. "New projects at Clemson look to take AI into the classroom" 3/12/21. <https://greenvillejournal.com/education/new-projects-at-clemson-look-to-take-ai-into-the-classroom/>.
- PR.10 Paul Alonghi. "Artificial intelligence helps advance personalized learning for South Carolina's K-12 teachers and students" 3/8/21.
<https://news.clemson.edu/artificial-intelligence-helps-advance-personalized-learning-for-south-carolinas-k-12-teachers-and-students/>.

- PR.9 Ryan Real. "Clemson Data Lab Connects Data Science, Research for All" 2/10/21. <https://news.clemson.edu/clemson-data-lab-connects-data-science-research-for-all/>.
- PR.8 Nathaniel Cary. "Clemson program studies intersection of robots and people in advanced manufacturing" 12/26/20. https://www.postandcourier.com/greenville/business/clemson-program-studies-intersection-of-robots-and-people-in-advanced-manufacturing/article_aa23dbfa-4164-11eb-a3f3-873a856209f2.html.
- PR.7 Michael Stanton. "Clemson awarded \$3 million grant to develop AI-powered professional development for teachers" 11/9/20. <http://newsstand.clemson.edu/mediarelations/clemson-awarded-3-million-grant-to-develop-ai-powered-professional-development-for-teachers/>.
- PR.6 Paul Alongi. "New \$3-million program could help close skills gap in advanced manufacturing." 9/10/18. <http://newsstand.clemson.edu/mediarelations/new-3-million-program-could-help-close-skills-gap-in-advanced-manufacturing/>.
- PR.5 Frances Parrish. "CBSHS, CAFLS, CECAS, Business faculty named new School of Health Research faculty scholars." 3/28/18. <http://newsstand.clemson.edu/cbshs-cafls-cecas-business-faculty-named-new-school-of-health-research-faculty-scholars/>.
- PR.4 Shannon Keeler. "Two Eagles transoceanic balloon trek has Fulton engineering connection." Full Circle. 1/29/15 <http://fullcircle.asu.edu/research/two-eagles-transoceanic-balloon-trek-has-fulton-engineering-connection/>.
- PR.3 Amelia Huggins. "ASU, NGA to address national security risks of climate change." ASU News Science & Tech. 6/18/14 <https://asunews.asu.edu/20140618-asu-nga-address-climate-change>.
- PR.2 Mark Harris. "Second Life beats real life for collaboration" TechRadar. 9/28/08 <http://www.techradar.com/us/news/internet/second-life-beats-real-life-for-collaboration-471985>.
- PR.1 "IST student, faculty examine problem solving in Second Life" Penn State News. 9/22/08 <http://news.psu.edu/story/183485/2008/09/22/ist-student-faculty-examine-problem-solving-second-life>.

Keynote & Plenary Presentations:

- KEY.2 Human-Centered AI & Teaming: A Path Forward. 2023 Clemson University Research Symposium. May 2023.

- KEY.1 Artificial Intelligence for Improving the Design of Healthcare Spaces. International Nursing Conference for Excellence in Healthcare Design. July 2021.

Presentations (Invited, Conference, & Program Reviews):

- PRE.53 Ethical Dilemmas in Human-AI Teaming: Considerations for a Path Forward. DoD Workshop on Ethics in AI. February 2023.
- PRE.52 Key Criteria and Challenges for Human-Autonomy/AI Teaming. United Nations. January 2023.
- PRE.51 Human-Autonomy Teaming: Metaphor or Reality? Clemson AMFG 6200. November 2022.
- PRE.50 Promoting Human Interpretation and Interaction to Mitigate Bias in Artificial Intelligence Year 2. Office of Naval Research Annual Program Review Meeting. September 2022.
- PRE.49 Connecting and Leveraging Physical and Digital Dimensions to Advance Human-Autonomy Teaming. Office of Naval Research Annual Program Review Meeting. September 2022.
- PRE.48 The Spread of Trust and Distrust in Distributed Human-Autonomy Teaming Constellations Year 1. Air Force Office of Scientific Research Trust and Influence Annual Program Review Meeting. September 2022.
- PRE.47 Considerations of Ethical and Unethical Behavior on Trust in Human-Autonomy Teaming Year 2. Air Force Office of Scientific Research Trust and Influence Annual Program Review Meeting. September 2022.
- PRE.46 Human-Autonomy Teaming: Metaphor or Reality? Clemson AMFG 6200. October 2021.
- PRE.45 Promoting Human Interpretation and Interaction to Mitigate Bias in Artificial Intelligence. ONR Annual Program Review Meeting. September 2021.
- PRE.44 Human-Autonomy Teaming: Metaphor or Reality? Boeing Human Factors Community of Excellent. August 2021.
- PRE.43 Considerations of Ethical and Unethical Behavior on Trust in Human-Autonomy Teaming Year 1. AFOSR Annual Program Review Meeting. August 2021.
- PRE.42 The Spread of Trust and Distrust in Distributed Human-Autonomy Teaming Constellations Kickoff. AFOSR Annual Program Review Meeting.

August 2021.

- PRE.41 Examining the Relationship Between an Autonomous Teammate's Ethical Decision Making and Trust. American Psychological Association's Conference on Technology, Mind & Society 2021.
- PRE.40 Adventures and Explorations of Human-Centered Artificial Intelligence. Dahlonga Science Festival 2020.
- PRE.39 Perspectives and Trajectories on Team Cognition in Human-AI Teaming. Presented to Clemson AMFG 6800. October 2019.
- PRE.38 The Good, The Bad, & The Ugly: Principles of Human-Centered Design. Presented to Clemson CPSC 4150/6150. September 2019.
- PRE.37 Perspectives and Trajectories on Team Cognition in Human-AI Teaming. Presented to Georgia Tech Engineering Psychology. April 2019.
- PRE.36 A Fireside Chat with Nathan McNeese on Teaming and Artificial Intelligence. April 2019. Digital Health SE. Greenville, SC.
- PRE.35 Should I Trust My Team Member? Understanding the Role of Trust in Human-Autonomy Teaming. January 2019. 2019 Hawaii International Conference on System Science (HICSS). Maui, HI.
- PRE.34 Insights, Theories, and Models for Human-Agent Teaming from the Organizational and Psychological Science Literature (Tom O'Neill presenter, McNeese co-author). January 2019. 2019 Hawaii International Conference on System Science (HICSS). Maui, HI.
- PRE.33 The Intersections of Teaming, Qualitative Research, and Artificial Intelligence. Presented to Clemson University Business Anthropology. November 2018.
- PRE.32 Perspectives and Trajectories on Team Cognition in Human-AI Teaming. Presented to Clemson University Industrial Engineering. November 2018.
- PRE.31 The What, Why, and How of Teamwork: New Frontiers in Teaming. Presented to Clemson CPSC 4910 Section 1. October 2018.
- PRE.30 The What, Why, and How of Teamwork: New Frontiers in Teaming. Presented to Clemson CPSC 4910 Section 2. October 2018.
- PRE.29 Human Autonomy-Teaming in Remotely Piloted Aircraft Systems Under Degraded Conditions (with Cooke & Gorman). Presented at 2018 Science of Autonomy Program Review Meeting.

- PRE.28 Collaborative Approaches to Improving Health-related Quality of Life, Fatigue, and Coping Skills of Adolescent and Young Adult Cancer Patients (with Shin). Presented at to Greenville Health System Nursing Research Committee. June 2018.
- PRE.27 Perspectives and Trajectories on Team Cognition in Human-AI Teaming. Presented to Duke University Mechanical Engineering & Computer Science. April 2018.
- PRE.26 The What, Why, and How of Teamwork: New Frontiers in Teaming. Presented to Clemson CPSC 4910. March 2018.
- PRE. 25 Macro cognition in the Health Care Built Environment: A New Model for Emergency Response Extending Macro cognition Results in the Inpatient Setting to the Mexico 2017 Earthquake Disaster. 2018 Human Factors and Ergonomics in Health Care Symposium. March 2018. Boston, MA.
- PRE.24 Team Cognition & Collaboration in the Healthcare System. Presented to 2017 Academy of Nursing Excellence in Design Summit. October 2017. Clemson, SC.
- PRE.23 A Transdisciplinary Approach to Teamwork: Improving Systems through Team Cognition in Multiple Sociotechnical Settings. Presented to The Human Systems Engineering Program. Arizona State University. February 2017. Mesa, AZ.
- PRE.22 A Transdisciplinary Approach to Teamwork: Improving Sociotechnical Settings through Team Cognition and Human-Centered Collaborative Technology. Presented to The School of Computing. Clemson University. February 2017. Clemson, SC.
- PRE.21 Improving Healthcare Systems Through Team Cognition and Human-Centered Collaborative Technology. Presented to The Department of Biomedical Informatics. Vanderbilt University. February 2017. Nashville, TN.
- PRE.20 A Transdisciplinary Approach to Teamwork: Improving Systems through Team Cognition in Multiple Sociotechnical Settings. Presented to The Department of Systems & Industrial Engineering. University of Arizona. February 2017. Tucson, AZ.
- PRE.19 A Transdisciplinary Approach to Teamwork: Improving Systems through Team Cognition in Multiple Sociotechnical Settings. Presented to The Department of Industrial & Systems Engineering. University of Wisconsin-Madison. January 2017. Madison, WI.

- PRE.18 Teamwork and Collaboration: Perspectives of Information Science, Human Factors, Human Computer Interaction, and Computer Supported Cooperative Work. Presented at ASU Human Systems Engineering Brown Bag. September 2016. Mesa, AZ.
- PRE.17 Knowledge Elicitation Methods for Developing Insights into Team Cognition During Team Sports. Presented at the 2016 AHFE Annual Conference, July 2016. Orlando, FL.
- PRE.16 Team Cognition As A Mechanism For Developing Collaborative and Proactive Decision Support in Unmanned Aerial Systems. Presented at the 2016 HCII Annual Conference, July 2016. Toronto, CA.
- PRE.15 Improving Cancer Care Coordination Through Team Science. Presented at the Science of Team Science (SciTS) 2016 Conference, May 2016. Phoenix, AZ.
- PRE.14 Concept Mapping as a Methodology to Develop Insights on Cognition During Collaborative Information Seeking. Presented at 2015 Human Factors and Ergonomics Annual Meeting, October 2015. Los Angeles, CA.
- PRE.13 Articulating and Understanding the Development of a Team Mental Model in a Distributed Medium. Presented at 2015 Human Factors and Ergonomics Annual Meeting, October 2015. Los Angeles, CA.
- PRE.12 Methodologies and Theories for Studying Team Cognition In Sports. Presented at the 2015 AHFE Annual Conference, July 2015. Las Vegas, NV.
- PRE.11 How Do Teams Collaborate? The Importance of Team Cognition During Collaborative Information Seeking. Presented at ASU Research Brown Bag, March 2015.
- PRE.10 The Role of Team Cognition in Collaborative Information Seeking During Team Decision-Making. Presented at Penn State Dissertation Defense, November 2014. University Park, PA.
- PRE.9 Towards a Team Mental Model of Collaborative Information Seeking During Team Decision-Making. Presented at 2014 HFES Annual Meeting, October 2014. Chicago, IL.
- PRE.8 Studying Team Cognition during Collaborative Information Seeking. Presented at 16th Annual CSCW conference, February 2013. San Antonio, TX.
- PRE.7 The Role and Effect of Experience and Diversity on Collaboration. Presented to IST 541, December 2011. University Park, PA.

- PRE.6 Health Information Technology: An Overview, Presented to IST 501, December 2011. University Park, PA.
- PRE.5 Health Informatics Information Challenges. Presented to IST 501, September 2011. University Park, PA.
- PRE.4 The Development of a Collaborative Space: IST CollabSPACE. Presented to IST 521, April 2011. University Park, PA.
- PRE.3 The Learning of Database and Web Programming Concepts Through End User Programming. Presented to IST 511, December 2010. University Park, PA.
- PRE.2 Rural Hospitals Adoption of Health Information Technology. Presented to IST 531, December 2010. University Park, PA.
- PRE.1 Team Performance in Real and Virtual Worlds: The Perceived Value of Second Life. Presented at the 2008 HFES Annual Meeting, October 2008. New York, NY

Student Advising

As an Assistant Professor at Clemson University

PhD Students Graduated (Chair)

- 2017-2019 Lorenzo Barberis Canonico, Human-Centered Computing
Dissertation Title: *"Human-Machine Teamwork: An Exploration of Multi-Agent Systems, Team Cognition, and Collective Intelligence"*
Current Position: Postdoc at Stanford University
- 2019-2022 Geoff Musick, Human-Centered Computing
Dissertation Title: *"Developing and Facilitating Temporary Team Mental Models Through an Information-Sharing Recommender System"*
- 2019-2023 Christopher Flathmann, Human-Centered Computing
Dissertation Title: *How to Make Agents and Influence Teammates: Understanding the Social Influence AI Teammates Have in Human-AI Teams*

Current PhD Students (Chair)

- 2018-2023 Rui Zhang, Human-Centered Computing (*Dissertation Focus: Communication in Human-AI Teams*)
- 2019-2023 Beau Schelble, Human-Centered Computing (*Dissertation Focus: Team Cognition in Human-AI Teams*)

- 2020- Rohit Mallick, Human-Centered Computing (*Dissertation Focus: Emotions and Creativity in Human-AI Teaming*)
- 2021- Allyson Hauptman, Human-Centered Computing (*Dissertation Focus: Levels of Autonomy In Human-AI Teaming*)
- 2022- Caitlin Lancaster, Human-Centered Computing (*Dissertation Focus: Training In Human-AI Teaming*)
- 2022- Elizabeth Gilman, Human-Centered Computing (*Dissertation Focus: Bias and Ethics In Human-AI Teaming*)
- 2022- Jasmine McKeller, Human-Centered Computing (co-advised with Prof. Kelly Caine)
- 2022- Camden Brady, Industrial Engineering (co-advised with Prof. Kapil Madathil) (*Dissertation Focus: TBD;*)

Service as Academic Committee Member (Not as Chair)

PhD Committee- Current

- 2020- Lingyuan Li, Human-Centered Computing (Clemson)
- 2021- Makayla Moster, Computer Science (Clemson)
- 2022- Lijie Guo, Human-Centered Computing (Clemson)
- 2022- Ibrahim Oluwajoba Adisa, Learning Sciences (Clemson)
- 2023- Heather Watkins, Psychology (Clemson)

PhD Committee- Graduated

- 2021- Matt Chambers, Rhetorics, Communication, and Information Design (Clemson) Dissertation: *"Data In-Form: Measuring The Effect Of Visualization Rhetoric"*
- 2021- Alex Adkins, Human-Centered Computing (Clemson) Dissteration: *"The Importance of Hand Motions for Communication and Interaction in Virtual Reality"*
- 2021-2022 Moses Namara, Human-Centered Computing (Clemson) Dissertation: *"Evaluating Privacy Adaptation Presentation Methods to support Social Media Users in their Privacy-Related Decision-Making Process"*
- 2018-2020 Yifang Li, Human-Centered Computing (Clemson) Dissertation: *"Investigating Obfuscation as a Tool to Enhance Photo Privacy on Social Networks Sites"*

2014-2017 Mustafa Demir, Simulation, Modeling, and Applied Cognitive Science (ASU) Dissertation: *"The Impact of Coordination Quality on Coordination Dynamics and Team Performance: When Humans Team with Autonomy"*

Current Postdocs

2022- Wen Duan- PhD, Communication & Human Computer Interaction, Cornell University

2022- Subhasree Sengupta- PhD, Information Science Technology, Syracuse University

Masters- Graduated

2020-2022 Brighton Owen, Mechanical Engineering (Clemson)

2018-2019 James Dominic, Computer Science (Clemson) Masters Thesis: *"Exploring Effects of Spatial and Screen Space Annotation on Navigation in Virtual Reality"*

2018-2019 Mavi Elena, Mechanical Engineering (Clemson) Masters Thesis: *"Understanding Requirement Generation: Studies on Interventions and Comparison between Novices and Experts"*

2014-2017 Michael Fedele, Human Systems Engineering (ASU) Masters Thesis: *"Synchrony: Biological Indicators of Team Cognition in Three Person Task Teams"*

Masters Students

2023- Siddharth Malladi- MS, Computer Science

2023- Swapnil Srivastava- MS, Computer Science

2022- Rishav Karanjit- MS, Computer Science; co-advising with Vidya Samadi

2020-2023 John Henke- MS, Industrial Organizational Psychology (*University of Calgary*); Co-advising with Prof Tom O'Neill

2019-2021 Nirali Bandaru- MS, Computer Engineering

Undergraduate Students

2017-2020 Alfred Blando- BS, Mathematics (*Calhoun Honors College; multiple projects: 10 hours/week*)

2018-2019 Jake Armstrong- BS, Communications (*Calhoun Honors College; multiple projects: 10 hours/week*)

2019-2020 Sarah Morrison- BS, Computer Science (*multiple projects: 10 hours/week*)

2020	John Paul Lineberger- BS, Bioengineering (<i>multiple projects: 10 hours/week</i>)
2018-2019	Beau Schelble- BS, Psychology (<i>Calhoun Honors College; multiple projects: 10 hours/week</i>)
2020	Mari Kilgus- BS, Psychology & Computer Science (<i>multiple projects: 5 hours/week</i>)
2017-2020	Rafael Dejesus- BS, Computer Science (<i>multiple projects: 10 hours/week</i>)
2018-2020	Mark Blasko- BS, Computer Science (<i>multiple projects: 10 hours/week</i>)
2018-2020	Casey Hird- BS, Computer Engineering (<i>multiple projects: 10 hours/week</i>)
2019-2022	Steve Russell- BS, Computer Science (<i>multiple projects: 10 hours/week</i>)
2019-2021	Dylan Cathapermal- BS, Computer Science (<i>multiple projects: 10 hours/week</i>)
2020-2021	Jack Carroll- BS, Computer Science (<i>multiple projects: 5 hours/week</i>)
2020-2022	Wesley Everett- BS, Computer Science (<i>UPIC Intern</i>)
2020-2022	Richard Garcia- BS, Computer Science (<i>UPIC Intern</i>)
2020-2021	Top Lee- BS, Computer Science (<i>multiple projects: 10 hours/week</i>)
2020	Jada Houser- BS, Computer Science (<i>UPIC Intern</i>)
2020-	Joshua Little- BS, Computer Science (<i>multiple projects: 10 hours/week</i>)
2021-	Alyssa Williams BS, Computer Science (<i>multiple projects: 10 hours/week</i>)
2021-	Christian Ihekweazu BS, Computer Science (<i>multiple projects: 10 hours/week</i>)
2022-	Noah Taverez BS, Computer Science (<i>multiple projects: 10 hours/week</i>)
2022-	Jake Macdonald BS, Computer Science (<i>multiple projects: 10 hours/week</i>)

Honors Contracts

2019	Lake Summers- BS, Computer Science (CPSC 4910)
2020	Matt Franchi- BS, Computer Science (CPSC 2910)

As a Postdoctoral Scholar & Reserach Assistant at Arizona State University

PhD Students

- 2014-2017 Mustafa Demir- PhD, Simulation, Modeling, and Applied Cognitive Science
- 2015-2016 Saliha Akca-Hobbins- PhD, Simulation, Modeling, and Applied Cognitive Science
- 2015-2017 Sandra Hinski- PhD, Simulation, Modeling, and Applied Cognitive Science
- 2014-2017 Verica Buchanan- PhD, Simulation, Modeling, and Applied Cognitive Science

Masters Students

- 2015-2017 Michael Fedele- MS, Human Systems Engineering
- 2015-2017 Jade Best- MS, Human Systems Engineering
- 2016-2017 Carrie Russell- MS, Human Systems Engineering
- 2015-2016 Cade Bartlett- MS, Human Systems Engineering
- 2016 Kyle Walter- MS, Human Systems Engineering
- 2016 Alec Wightman- MS, Human Systems Engineering
- 2015 Joe O'Brian- MS, Human Systems Engineering
- 2015-2016 Rachel Howes- MS, Human Systems Engineering

Undergraduate Students

- 2016-2017 Bryant Armistead- BS, Human Systems Engineering
- 2015-2017 Hailey Torres- BS, Human Systems Engineering
- 2016 Lais Goncalves de Lima- BS
- 2015 Serena Mata- BS, Human Systems Engineering
- 2015 Pamela Coleman- BS, Human Systems Engineering

As a PhD Student at Pennsylvania State University

- 2011-2014 Evan Friedenberg- BS, Information Sciences and Technology (*Penn State Schreyer's Honors College*)
- 2011-2012 Kelsey Bailey- BS, Information Sciences and Technology, Political Science
- 2011 Michael Cwenar- BS, Information Sciences and Technology
- 2011 Greg Traylor- BS, Information Sciences and Technology

Teaching Experience

Clemson University

New Course Development

HCC 8500 *The Science of Teamwork and Technology*

CPSC 3990 *Team Research in Computational Environments*

AMFG 6200 *Collaboration and Teamwork in Manufacturing Systems*

Courses Taught

Fall 2020 **Instructor**, AMFG 4200/6200: Collaboration in Teamwork in Manufacturing Systems

Fall 20 Students' Instructor Evaluation: 5/5

Spring 2020 **Instructor**, CPSC 1990/3990: Team Research in Computational Environments

Spring 2020 Students' Instructor Evaluation: N/A due to COVID-19

Spring 2020 **Instructor**, CPSC 2910: Seminar in Professional Issues I (4 sections)

Spring 2020 Students' Instructor Evaluation: N/A due to COVID-19

2018-2021 **Instructor**, CPSC 4140/6140: Human-Computer Interaction

Fall 2021 Students' Instructor Evaluation: 4140- 4.2/5; 6140- 4.2/5

Fall 20 Students' Instructor Evaluation: 4140- 4.76/5; 6140- 4.9/5

Fall 19 Students' Instructor Evaluation: 4140- 4.89/5; 6140- 4.25/5

Fall 18 Students' Instructor Evaluation: 4140- 4.64/5; 6140- 4.67/5

2018-2023 **Instructor**, HCC 8500: The Science of Teamwork and Technology

Spring 2023 Students' Instructor Evaluation:

Spring 2021 Students' Instructor Evaluation: 4.82/5

Spring 2019 Students' Instructor Evaluation: 5/5

Spring 2018 Students' Instructor Evaluation: 4.8/5

Fall 2017 **Co-Instructor**, CPSC 4910: Seminar in Professional Issues II

Students' Instructor Evaluation: 4.67/5

Arizona State University

Spring 2017 **Instructor**, HSE 225: Human Systems Integration

Students' Instructor Evaluation: 4.81/5

Spring 2016 **Instructor**, PSY 437: Human Factors

Students' Instructor Evaluation: 4.85/5

Fall 2015 **Instructor**, Psy 399: Individualized Study on Teamwork (Fall 2015)
Students' Instructor Evaluation: N/A

The Pennsylvania State University

Spring 2010 **Graduate Teaching Assistant**, IST 301: Information and Organizations
(with Dr. Madhu Reddy & Dr. Carleen Maitland)

Professional Activities

Memberships

- 2009- **Member** Association for Computing Machinery (ACM)
- 2008- **Member** Human Factors and Ergonomics Society (HFES)
- 2018- **Member** Institute of Electrical and Electronics Engineers (IEEE), since 2018
- 2018- **Member** Systems, Man, and Cybernetics Society (SMC)
- 2009- **Member** American Psychological Association (APA)

Reviewing

Journals

- 2020- ACM Transactions on Human-Robot Interaction
- 2015- Human Factors: The Journal of the Human Factors and Ergonomics Society
- 2015- Journal of the Association for Information Sciences and Technology
- 2015- ACM Transactions on Computer-Human Interaction (TOHCI)
- 2015- Computers in Human Behavior
- 2017- International Journal of Human-Computer Studies
- 2018- Journal of CSCW
- 2022- Applied Artificial Intelligence
- 2019- Journal of Computing and Information Science Engineering
- 2020- ASME Journal of Computing and Information Science in Engineering
- 2018- IEEE Access
- 2016- Information Processing and Management
- 2019- Applied Ergonomics

- 2018- IEEE Transactions on Human-Machine Systems
- 2019- Journal of Information Technology & Politics
- 2019- Journal of Cognitive Engineering and Decision-Making (JCEDM)
- 2018- Ergonomics
- 2020- Technology in Society
- 2019- Educational Review
- 2016- Frontiers in Psychology
- 2016- Theoretical Issues in Ergonomics Science
- 2018- PLOS One
- 2018- Studies in Higher Education
- 2020- Computational Intelligence
- 2018- Cognition, Technology, & Work
- 2016- Journal of Behaviour & Information Technology
- 2016- Sport, Exercise, and Performance Psychology
- 2016- Small Group Research
- 2022- International Journal of Industrial Ergonomics
- 2022- Journal of Field Robotics
- Conferences*
- 2013- ACM Conference on Human Factors in Computing Systems (CHI)
- 2013- Human Factors and Ergonomics Society Annual Meeting (HFES)
- 2015- ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)
- 2019- AIS Conference of Americas Conference on Information Systems
- 2018 ACM Conference on Designing Interactive Systems (DIS)
- 2018 HFES CEDM Best Student Paper
- 2020 IEEE International Conference on Human-Machine Systems

- 2018- Hawaii International Conference on System Sciences (HICSS)
- 2020 Military Health System Research Symposium
- 2022- ACM Symposium on User Interface Software and Technology (UIST)

Funding Agencies

- 2018- NASA, both as panelist and chair
- 2023- National Science Foundation, Mind, Machine and Motor Nexus
- 2020- National Science Foundation, Information Integration and Informatics
- 2021- National Science Foundation, Human-Centered Computing
- 2020- National Science Foundation Graduate Research Fellowship Program
- 2022- The Royal Society (UK National Academy of Science)
- 2021- United States Army
- 2023- Office of Naval Research

Book Proposals

- 2018 John Wiley & Sons, Inc.- proposal related to human factors engineering

Editorial Boards

- 2017- Human Factors: The Journal of the Human Factors and Ergonomics Society
- 2018- IEEE Press Series on Human-Machine Systems
- 2019- IET Collaborative Intelligent Manufacturing

Associate Editor

- 2019- IET Collaborative Intelligent Manufacturing
- 2020- IEEE Systems, Man, and Cybernetics

Special Issue Editor

- 2022 *21st Century Teaming and Beyond: Advances in Human-Autonomy Teamwork*, Computers in Human Behavior, Co-Editors: Thomas O'Neill & Eduardo Salas
- 2022 *The Emerging Cognitive Science of Human-Autonomy Teams*, Topics in Cognitive Science, Co-Editors: Christopher Myers, Jamie Gorman, Nancy Cooke
- 2022 *Human-AI Teaming*, Journal of Cognitive Engineering and Decision Making, Co-Editors: Mica Endsley & Nancy Cooke

Professional Community/National Service

- 2022 Member, HFES Alphonse Chapanis Best Student Paper Award Committee
- 2021 Member, National Academy of Science Committee on Human-Systems Integration Research
- 2019 Organizer, Workshop on Interactive Team Cognition in Distributed and Heterogenous Human-Autonomy Systems
- 2018-2020 Member, Army Research Lab Human Research & Engineering Technical Advisory Board
- 2018 Member, National Academy of Science Panel on Human Factors Science
- 2018 HFES CEDM Mentorship Program (Mentor)
- 2017 HFES CEDM Mentorship Program (Mentor)
- 2017 Invited Panelist for Nursing Innovation Summit
- 2017 Chair of Analyzing Teams Session at HFES
- 2017 Chair of Human-Robot Teaming Session at AHFE
- 2016 Chair of Teamwork Session at HFES
- 2016 Participant in NCI-ASCO Teams in Cancer Care Delivery Workshop
- 2015 Chair/Organizer of Panel on Intelligence Analysis at HFES
- 2015 Invited Participant for the Future of Proactive & Adaptive Decision Support (Future PADS) (ONR)
- 2013 Student Volunteer for 2013 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW)

Society/International Service

- 2021 IEEE Human-Machine Systems Conference Program Committee/Associate Editor
- 2021 ACM Southeast (ACMSE) Conference Program Committee
- 2020 ACM/IEEE Winter Simulation Conference Program Committee
- 2020 IEEE SMC CSCWD Program Committee
- 2020 IEEE SMC Computer Supported Cooperative Work in Design Technical Committee

2020	Super Track Chair of Human Factors in IEEE Human-Machine Systems Conference
2020	IEEE Human-Machine Systems Conference Steering Committee
2019	IEEE Mentor

University Service

University Service/Representation Clemson University

2022-	Member, SoC Director Search Committee
2021-2022	Chair, CECAS and SoC AI Cluster Hire Search Committee (successfully hired 3 positions)
2021-	Member, SoC Broadening Participation in Computing Committee
2021-	Faculty Advisor, UPE Honors Society
2021	Member, HCC Chair Administrator Evaluation Committee
2021	Judge, Clemson Learning Science Poster Competition
2020-	Member, SoC Computing Curriculum Committee
2020-	Member, Undergraduate Affairs Committee
2020	Member, Pinson Endowed Professorship Search Committee
2020-2021	Advisor, UPIC Internship Program
2020-	Mentor/Instructor, Creative Inquiry Program
2020-	Member, Clemson Artificial Intelligence Research Institute for Science and Engineering (AIRISE)
2020	Mentor, Clemson Learning Sciences Research Networking
2020	Invited and Hosted Dr. Eric Vorn for School of Computing Seminar Series
2019-	TIGER Advocate (Promoting gender equality and diversity in academia)
2019-	Member, School of Computing Recruiting & Admissions Committee
2018-	Director, TRACE Boot Camp for Programming

- 2018-2021 Advisor, School of Computing Graduate Student Association
- 2018- Faculty Mentor, Clemson HFES Student Chapter
- 2017- Reviewer, Multiple Internal Clemson Funding Initiatives
- 2017 Member of HCC Faculty Search Committee
- 2017- Member of HCC Portfolio Review Committee
- 2017- Member of HCC Graduate Recruiting Committee
- 2018-2019 Assisted in Civil Engineering Faculty Candidate Search
- 2018 Invited and Hosted Dr. Nancy Cooke for TIGERS ADVANCE Distinguished Speaker Series
- 2018- Member of Business Anthropology & Human Behavior Curriculum Committee

Arizona State University

- 2016 Fulton Day in the Life Lab Demo
- 2015-2016 Night of the Open Door Lab Demo
- 2016-2017 Co-Director of the Industrial Advisory Board for Human Systems Engineering
- 2016-2017 Planning Taskforce for Human Systems Engineering
- 2016-2017 Mentor to HFES Student Chapter
- 2015-2017 Faculty Host for Prospective Graduate Students

Pennsylvania State University

- 2010-2014 Student Host for Prospective Graduate Students
- 2013 Judge for The Graduate Exhibition

Honors & Awards

- 2023 Clemson University President's Leadership Institute Member
- 2023 McQueen Quattlebaum Endowed Professorship
- 2023 ACM GROUP Honorable Mention Best Paper Award (Paper 2)

2023	ACM GROUP Honorable Mention Best Paper Award (Paper 1)
2022	Clemson University Professor of the Game (October 1, 2022)
2022	Clemson Board of Trustees "Focus on Faculty" Recognition
2022	Clemson University Junior Faculty Researcher of the Year
2022	College of Engineering, Computing and Applied Sciences Junior Faculty Researcher of the Year
2022	College of Engineering, Computing and Applied Sciences Nominee for Clemson University Junior Faculty Researcher of the Year
2021-	College of Engineering, Computing and Applied Sciences Dean's Professor
2021	Member, National Academy of Science Committee on Human-Systems Integration Research
2021	HICSS Best Paper Nomination
2020	ACM CSCW Honorable Mention Best Paper Award
2020	Overall Best Paper Award for International Conference on Human-Agent Interaction (HAI)
2020	Top Papers of International Conference on Human-Agent Interaction (HAI)
2020-2021	Invited Chair, NASA Scientific Research Panel
2019	Member, Army Research Lab Human Research & Engineering Technical Advisory Board
2019-2020	Member, National Academy of Science Panel on Human Factors Science
2019	Lee Dirks Award for Best Full Research Paper Nomination at iConference
2018	Clemson Human Factors Institute Director's Award
2018-2020	Watt Faculty Fellow
2018-	CUSHR Faculty Scholar
2018	Invited Participant in CRA Computing Community Consortium Early Career Researcher Symposium
2016-2017	AZ Computing Postdoc Best Practice Fellow (NSF Sponsored)

- 2017 ASU institutional endorsement for MacArthur Foundation 100&Change proposal (McNeese PI)
- 2016 Cogsima Conference Best Paper Award
- 2011 Center for Integrative Healthcare Delivery Scholar
- 2009 Penn State College of IST Night of Honors- Acknowledgement for Outstanding Research Assistant
- 2010-2014 NSF CAREER Grant Graduate Research Assistantship
- 2007-2009 Psi Chi Honor Society Member
- 2006-2009 Multiple Dean's List as Undergrad