

Education

- 2015 - Present** **Mississippi State University** - PhD: Computer Engineering | GPA: 4.0
2012 - 2014 **Texas A&M University** - Graduate Student: Computer Engineering
2008 - 2011 **Texas A&M University** - Bachelors of Science: Computer Science

Publications

Journal Articles

- Henkel, Z., Suarez, J., Srinivasan V., & Murphy, R. (2016). **Medical Field Exercise With a Social Telepresence Robot**. Paladyn Journal of Behavioral Robotics.
- Henkel, Z., Bethel, C. L., Murphy, R. R., & Srinivasan, V. (2014). **Evaluation of Proxemic Scaling Functions for Social Robotics**. IEEE Transactions on Human-Machine Systems (THMS).

Conference Papers

- Henkel, Z. and Bethel, C. L.. (2017). **A Robot Forensic Interviewer: The BAD, the GOOD, and the Undiscovered**. In Proceedings of the Companion of the 2017 ACM/IEEE International Conference on Human-Robot Interaction (HRI '17). ACM.
- Bethel, C. L., Henkel, Z., Eakin, D. K., May, D. C., Pilkinton, M., **Moving Toward an Intelligent Interactive Social Engagement Framework for Information Gathering**. Invited paper and presentation at the 15th IEEE International Symposium on Applied Machine Intelligence and Informatics.
- Bethel, C. L., Henkel, Z., Stives, K., May, D. C., Eakin, D. K., Pilkinton, M., & Stubbs-Richardson, M. (2016). **Using robots to interview children about bullying: Lessons learned from an exploratory study**. In IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN).
- Shrewsbury, B., Henkel, Z., Kim, C.-Y., & Murphy, R. (2013). **RESPOND-R Test Instrument A Summer Institute 2013 Case Study**. IEEE International Workshop on Safety, Security & Rescue Robotics (SSRR).
- Murphy, R. R., Srinivasan, V., Henkel, Z., Suarez, J., Minson, M., Straus, Egawa, S. (2013). **Interacting with trapped victims using robots**. IEEE International Conference on Technologies for Homeland Security (HST).
- Srinivasan, V., Murphy, R., & Henkel, Z. (2012). **User Acceptance of Autonomously Generated Social Head Gaze**. ICMI Workshop on Speech and Gesture Production in Virtually and Physically Embodied Conversational Agents.
- Srinivasan, V., Henkel, Z., & Murphy, R. (2012). **Social head gaze and proxemics scaling for an affective robot used in victim management**. IEEE International Symposium on Safety, Security, and Rescue Robotics (SSRR).
- Henkel, Z., Murphy, R., Srinivasan, V., & Bethel, C. L. (2012). **A proxemic- based HRI testbed**. Proceedings of Performance Metrics for Intelligent Systems (PerMIS).

Murphy, R., Rice, A., Rashidi, N., Henkel, Z., & Srinivasan, V. (2011). **A multi-disciplinary design process for affective robots: Case study of survivor buddy 2.0**. IEEE International Conference on Robotics and Automation (ICRA).

Henkel, Z., Doerschuk, P., & Mann, J. (2009). **Exploring computer science through autonomous robotics**. IEEE Frontiers in Education Conference (FIE).

Extended Abstracts

Henkel, Z., Bethel, C. L., (2016). **Increasing Psychological Well-being Through Human-Robot Interaction**. ACM/IEEE International Conference on Human-Robot Interaction (HRI).

Duckworth, D., Henkel, Z., Wuisan, S., Cogley, B., Collins, C., & Bethel, C. (2015). **Therabot: The Initial Design of a Robotic Therapy Support System**. ACM/IEEE International Conference on Human-Robot Interaction Extended Abstracts (HRI).

Collins, C., Duckworth, D., Henkel, Z., Wuisan, S., & Bethel, C. L. (2015). **Therabot™: A Robot Therapy Support System in Action**. ACM/IEEE International Conference on Human-Robot Interaction Extended Abstracts (HRI Demo).

Henkel, Z., Suarez, J., Duncan, B., & Murphy, R. R. (2014). **Sky writer: sketch- based collaboration for UAV pilots and mission specialists**. ACM/IEEE International Conference on Human-Robot Interaction (HRI).

Henkel, Z., Murphy, R. R., & Bethel, C. L. (2012). **Towards a computational method of scaling a robot's behavior via proxemics**. ACM/IEEE International Conference on Human-Robot Interaction (HRI).

Henkel, Z., Srinivasan, V., Murphy, R. R., Groom, V., & Nass, C. (2011). **A toolkit for exploring the role of voice in human-robot interaction**. ACM/IEEE International Conference on Human-Robot Interaction (HRI).

Henkel, Z., Rashidi, N., Rice, A., & Murphy, R. (2011). **Survivor buddy: A social medium robot**. ACM/IEEE International Conference on Human-Robot Interaction (HRI).

Murphy, R., Srinivasan, V., Rashidi, N., Duncan, B., Rice, A., Henkel, Z., Zourntos, T. (2010). **Survivor buddy and scigirls: Affect, outreach, and questions**. ACM/IEEE International Conference on Human-Robot Interaction (HRI).

Leadership and Service

Journal Reviewer

2016 - **International Journal of Robotics Research**

Conference Reviewer

2016 - **International Symposium on Robot and Human Interactive Communication**

2014 - 2016 - **International Conference on Human-Robot Interaction**

2013 - **International Symposium on Safety, Security, and Rescue Robotics**

Honors, Awards, and Scholarly Endeavors

Invited Participant: HRI Young Pioneers - (Spring 2016)

HRI Best Demonstration Nomination - Therabot™ - (2015)

AAAI Video Competition: Best Short Video - (2014)

Invited Participant: HRI Young Pioneers - (Spring 2012)

Research Experience For Undergraduates: Texas A&M - (Summer 2010)

1st Place Student Research Contest, Lamar University - (Summer 2009)

Research Experience For Undergraduates: Lamar University - (Summer 2009)

Work Experience

STaRS Lab Researcher - (2014- Present) - researching social, therapeutic, and robotic systems.

Henkel Productions - (2006 - Present) - innovator at a software and media development company.

AI Robotics Lab Researcher - (2009 - 2014) - studied social aspects of human-robot interaction.

Texas A&M Peer Teacher - (2009) - academic mentor to undergraduate Computer Science students.