

# Lauren E. Reinerman-Jones

2903 Rouen Ave Winter Park, FL 32789 Tel: 513-382-3590 Email: lreinerm@ist.ucf.edu

## Education

University of Cincinnati Cincinnati, Ohio

- Ph.D. in Human Factors Psychology 2008 GPA 3.97
- M.A. in Human Factors/Experimental Psychology 2007 GPA 3.96
- B.A. in Psychology 2004 GPA 4.0
- B.A. in Communications 2004 GPA 3.9

## Experience

2012-Present DUJO, LLC. Orlando, Florida

### Founder and Chief Executive Officer

- Invented the idea for which the company is founded □ a multi-dimensional (questionnaires, physiological responses, and performance measures) selection, prediction, and validation method for identifying individuals best suited for a given skill, resulting in a patent pending titled “Skill Screening.”
- Manages customer accounts and creates customized assessment reports including development plans for the intended job and company.
- Designs all test batteries and experimental validation testing to ensure sound science built from theory for strong commercial delivery.
- Built strong relationships with vendors of physiological sensors, ensuring the highest quality equipment for DUJO selection and development products.

2009-Present Institute for Simulation and Training Orlando, Florida

### Assistant Professor

- Manage large accounts including research for the U.S. Army, Navy, and Nuclear Regulatory Commission working side-by-side with our sponsors to achieve ecologically valid results, quality publications, and fieldable applications.
- Lead a team in physiological measures and human factors research, software development for advancing the utility of multiple sensors employed simultaneously, robotics, metric evaluation and development, and personal growth and professional advancement through educational team meetings and guest speakers.
- Recruit new funding and lead grant proposals, resulting in being a preferred contractor for the Nuclear Regulatory Commission (NRC) and millions of research dollars.
- Proficient with FaceLab Desk Mounted Eye Tracking, Arrington Head Mounted Eye Tracking, Thought Tech ECG and GSR, ABM EEG/ECG, Sonora fNIR, and Spencer TCD, leading to novel research and innovative technology development.
- Published and presented internationally throughout the domains of Psychology, Philosophy, Engineering, and Business.
- Served as Program Chair for the HFES Augmented Cognition Technical Group, responsible for organizing reviewers paper submissions, keeping the group informed, selecting sessions for the conference, and facilitating collaboration.
- Served as Technical Chair for the HFES Augmented Cognition Technical Group and on the HFES Council of Technical Groups Executive Council.
- Editor of TIES Two Volume Special Edition resulting from organizing a panel and symposium for HFES 2010 concerning the basic versus applied debate and transfer from the lab to the real-world.
- Reviewer for *Human Factors*, *Military Psychology*, *Journal of Cognitive Engineering and Decision Making*, *Theoretical Issues in Ergonomics Science (TIES)*, *Cognitive Neurodynamics*, *PLOS ONE*, Army Research Office (ARO) Proposals, and Army Research Laboratory (ARL) Technical Reports.
- Chair for 7 doctoral dissertation and committee member for 8 doctoral dissertations.
- Teach the Human Computer Interaction (HCI) graduate class, serving student in Industrial Engineering and Management Systems, Human Factors Psychology, and Modeling and Simulation.

2004-2009 University of Cincinnati Cincinnati, Ohio

### Primary Research Investigator

- Directed groundbreaking research for U.S. Army Medical Research & Developmental Command \$700,000 grant.
- Pioneered original method for predicting vigilance, authoring numerous presentations and publications.
- Expertise with transcranial Doppler ultrasonography (TCD), STISIM Driving Simulator program, Excel, and SPSS.
- Executed interviews with journalists and television reporters concerning the revolutionary nature of our research.
- Managed research assistants to assure data integrity and mentored assistants’ to better their education resulting in each

accepted to graduate school.

2006-2009 University of Cincinnati Cincinnati, Ohio

**Adjunct Professor (Intro to Psych 101, 102; Human Sexuality; Psych. of Self; Psych. of Adjustment; Research Methods; Effects of Drugs on Behavior-Online)**

- Advanced students knowledge base by providing instruction on multiple psychology topics both in and out of class with which many students integrated psychology concepts into their own interests, disciplines, and other courses.
- Ignited interest in learning through activities and obtaining guest speakers, sparking life changes for numerous students.
- Taught two courses per quarter, in addition to rigorous Ph.D. program, accommodating diverse learning styles.
- Advised senior thesis exciting the student to continue through graduate school, obtain hands-on research experience, and graduate with honors.

2006-2008 General Dynamics Dayton, Ohio

**Engineer Technician for Wright Patterson Air Force Base**

- Produced valuable research projects involving team interactive communication technologies and displays for aviation scenarios to improve combat efficiency and safety.
- Examined individual versus team workload and performance utilizing an innovative eye tracking measure and ECG.
- Knowledgeable with ASL Head Mounted Eye Trackers, Morae Recording, DDD Programming, SYSTAT, and Virtual PCs employed in research activities.
- Obtained Secret Clearance status to work with and protect classified information.

2003-2004 Hamilton County MRDD Cincinnati, Ohio

**Applied Behavioral Analysis (ABA) Therapist**

- Developed IEP outline with children's families, effectively increased autistic children's academic performance, and addressed behavior difficulties using Applied Behavior Analysis (ABA) techniques, which increased compliance.
- Taught children expressive language, sign language, functional motor skills, daily living skills, functional self-regulation, and social interaction skills.
- Improved children's self-esteem by cultivating communication abilities and developing relationships.

2003-2004 University of Cincinnati Cincinnati, Ohio

**Research Assistant**

- Successfully presented project to U.S. Army MRDC obtaining a \$700,000 grant.
- Collaborated on a novel physiological technique to describe vigilance, co-authoring a presentation at Southern Society for Philosophy and Psychology (SSPP).
- Specialized with oximeter and computers used in data collection.

2002-2003; 2005 University of Cincinnati Cincinnati, Ohio

**Teaching Assistant (Groups at Work; Human Sexuality; Intro. to Public Relations)**

- Implemented and prepared class materials and activities, as well as answered students questions and concerns.
- Supervised, lectured, and graded students of diversity.

## Funding

### Principal Investigator

- 2012-2017 Nuclear Regulatory Commission (NRC). *Human Performance Test Facility*. IDIQ \$1,565,836
- 2011-2013 Nuclear Regulatory Commission (NRC). *Workload, Situation Awareness, and Teamwork*. Commercial Contract \$557,251
- 2012 Naval Air Warfare Center Training Systems Division (NAWCTSD). *Tool for Real-time Intelligent Evaluation of Physiological and Operational Data (TRIEPOD)*. STTR Phase I \$24,000
- 2011 United States Army Tank Automotive Research, Development and Engineering Center (U.S. Army TARDEC). *Heads-up, Hands Free Devices for UGVs*. SBIR Phase I \$5000
- 2009-2011 Office of Naval Research (ONR); *Perceptually-informed Virtual Environments (PerceiVE)*. STTR Phase I and II \$400,000

### Co-Investigator

- 2011-2013 Army Research Laboratory (ARL). *HRI Analysis for Training and Operational Neuroscience (HATS-ON)*. IDIQ \$3,599,697
- 2011-2013 John Templeton Foundation. *Space, Science, and Spirituality: Simulating Awe and Wonder*. Grant \$299,541
- 2012-2013 Army Research Laboratory ARL). *Robotics Collaborative Technology Alliance (RCTA) Human Robot Interaction (HRI): Explicit Communication*. \$160,000
- 2011-2012 Army Research Laboratory (ARL). *Robotics Collaborative Technology Alliance (RCTA) Human Robot Interaction (HRI): Implicit Communication*. CTA \$120,000
- 2011-2012 Army Research Laboratory ARL). *Robotics Collaborative Technology Alliance (RCTA) Human Robot Interaction (HRI): Explicit Communication*. CTA \$120,000
- 2011 Department of Transportation (DoT). *Commercial Motor Vehicle Distractions*. For support \$19,574
- 2010-2011 Office of Naval Research (ONR). *Development of Pilot Training Technology for Analysis of Medical Datasets*. Economy Stimulus Award \$75,000
- 2009-2011 Army Research Laboratory (ARL). *Human Agents for Training and Simulation (HATS)*. IDIQ \$500,000

## Journals

- Gallagher, S., **Reinerman-Jones, L.E.**, Janz, B., Bruhn, M., Templar, J., & Sollins, B. (in press). Using simulated environments in experimental studies of cognition: A study of spiritual experience during space travel. *Theoretical Issues in Ergonomics Science*.
- Matthews, G., Warm, J.S., **Reinerman-Jones, L.E.**, Langheim, L.K., Washburn, D.A., & Tripp, L. (2010). Task engagement, cerebral blood flow velocity, and diagnostic monitoring for sustained attention. *Journal of Experimental Psychology: Applied*, 16(2), 187-203.
- Matthews, G., Warm, J.S, **Reinerman-Jones, L.E.**, Langheim, L.K., Guznov, S., Shaw, T., & Finomore, V. (2011). The functional fidelity of individual differences research: The case for context-matching. *Theoretical Issues in Ergonomics Science*, 12(5), 435-450. London: Taylor & Francis.
- Morrow, P., **Reinerman-Jones, L.E.**, Gallagher, S., & Janz, B. (in press). Methodological imperatives in neurophenomenology: Review of a baseline study and recommendations for research approaches. *Frontiers in Neuroscience*.
- Reinerman-Jones, L.E.** (Ed.) (2011). *The Basic Versus Applied Debate Revisited, Special Edition, 1,1. Theoretical Issues in Ergonomics Science*, 12(5). London: Taylor & Francis.
- Reinerman-Jones, L.E.** (Ed.) (in press). *The Basic Versus Applied Debate Revisited, Special Edition, 1,2. Theoretical Issues in Ergonomics Science*. London: Taylor & Francis.
- Reinerman-Jones, L.E.** & Lackey, S. (Ed.) (2011). Basic versus applied research: The final episode! Next season: transfer! *Theoretical Issues in Ergonomics Science*, 12(5), 395-396. London: Taylor & Francis.
- Reinerman-Jones, L.E.**, Matthews, G., Langheim, L.K., & Warm, J.S. (2010). Selection for vigilance assignments: A review and proposed new directions. *Theoretical Issues in Ergonomics Science*, 1-24.
- Reinerman-Jones, L.E.**, Sollins, B., Gallagher, S., & Janz, B. (under review). Neurophenomenology: An integrated approach to exploring awe and wonder. *South African Journal of Philosophy*.
- Taylor, G.S., **Reinerman-Jones, L.E.**, Szalma, J.L., Hancock, P.A., Mouloua, M. (in press). What to automate: Addressing the multidimensionality of cognitive resources through system design. *Journal of Cognitive Engineering and Decision Making*.

## Book Chapters

- Guznov, S. **Reinerman-Jones, L.E.**, & Marble, J. (2012). Applicability of Situation Awareness and Workload Metrics for Use in Assessing Nuclear Power Plant Designs.
- Lackey, S., Barber, D., **Reinerman-Jones, L.E.**, Ortiz, E., and Fanfarelli, J. (in press). Human Robot Communication. In K. Hale & K. Staney (Eds.) *Handbook of Virtual Environments*, 2<sup>nd</sup> ed.
- Matthews, G., Warm, J.S., **Reinerman, L.E.**, Langheim, L.K., Saxby, D.J. (2009). Task engagement, attention, and

executive control. In A. Gruszka, G. Matthews & B. Szymura (Eds.), *Handbook of Individual Differences in Cognition: Attention, Memory and Executive Control*. New York: Springer (Springer Exceptionality Series).

**Reinerman-Jones, L.E.**, Barber, D., Lackey, S. & Nicholson, D. (2010). Developing methods for utilizing physiological measures. In T. Marek, W. Karwowski, & V. Rice (Eds.), *Advances in understanding human performance: Neuroergonomics, human factors design, and special populations*. New York: Springer.

**Reinerman-Jones, L.E.**, Cosenzo, K., & Nicholson, D. (2010). Subjective and objective measures of operator state in automated systems. In T. Marek, W. Karwowski, & V. Rice (Eds.), *Advances in understanding human performance: Neuroergonomics, human factors design, and special populations*. New York: Springer.

## Proceedings

Abich, J., **Reinerman-Jones, L.E.**, & Taylor, G. (2013). Establishing workload manipulations utilizing a simulated environment. *Proceedings of the Bi-annual Meeting of HCI International*.

Barber, D. **Reinerman-Jones, L.**, Lackey, S., Hudson, I. (2011). Physiological response driven robot behavior. *Proceedings of the Bi-annual Meeting of HCI International*.

Cosenzo, K.A., Chen, J.Y.C., **Reinerman-Jones, L.E.**, Barnes, M., & Nicholson, D. (2010). Adaptive automation effects on operator performance during a simulated reconnaissance mission with an unmanned ground vehicle. *Proceedings of the 54th Annual Meeting of the Human Factors and Ergonomics Society (HFES)*.

Cosenzo, K.A., Chen, J.Y.C., Drexler, J., **Reinerman-Jones, L.E.**, Barnes, M., Nicholson, D., & Hudson, I. (2010). Dynamic task allocation for secure mobility to enhance soldier effectiveness. *Proceedings of the Bi-Annual Army Science Conference*.

Langheim, L.K., Matthews, G., Warm, J.S., **Reinerman, L.E.**, Shaw, T.H., Finomore, V., Funke, M., Guznov, S. (2007). The long pursuit: In search of predictors of individual differences in vigilance. *Proceedings of the Bi-annual Conference of the International Society for the Study of Individual Differences (ISSID)*, Giessen, Germany.

Langheim, L.K., Matthews, G., Warm, J.S., **Reinerman, L.E.** (2007). Effects of task-induced stress of cerebral blood flow velocity, cortisol, and subjective state. *Proceedings of the 99th Annual Meeting of the Southern Society for Philosophy and Psychology (SSPP)*, Atlanta, G.A.

Lackey, S., Barber, D., **Reinerman, L.**, Badler, N.I., Hudson, I. (2011). Defining Next-Generation Multi-Modal Communication in Human Robot Interaction. *Proceedings of the 55<sup>th</sup> Annual Meeting of the Human Factors and Ergonomics Society (HFES)*.

Matthews, G., Warm, J.S., Proctor, C.A., Parsons, K.S., **Reinerman, L.E.**, Langheim, L., Tripp, L.D. (2005). Individual Differences in Cerebral Bloodflow during Sustained Performance. *Proceedings of the Bi-Annual Conference of the International Society for the Study of Individual Differences (ISSID)*.

Matthews, G., Warm, J.S., **Reinerman, L.E.**, Langheim, L.K., Parsons, K.S., & Proctor, C.A., Tripp, L.D. (2006). Cerebral bloodflow and subjective states predict sustained attention. *Proceedings of the 26th International Congress of Applied Psychology*, Athens, Greece.

Matthews, G., Warm, J.S., Shaw, T., Finomore, V., **Reinerman-Jones, L.E.**, Gustonov, S. (2010). Functional fidelity, context-matching, and individual differences in performance. *Proceedings of the 54th Annual Meeting of the Human Factors and Ergonomics Society (HFES)*.

Parsons, K.S., Tripp, L.D., **Reinerman, L.E.**, Lumpkin, K., Matthews, G., Dember, W.N., & Warm, J.S. (2004). Cerebral tissue oxygenation and the vigilance decrement. *Proceedings of the 96th Annual Meeting of the Southern Society for Philosophy and Psychology (SSPP)*, New Orleans, L.A.

**Reinerman-Jones, L.E.** (2010). The basic versus applied research dilemma. *Proceedings of the 54th Annual Meeting of the Human Factors and Ergonomics Society (HFES)*.

**Reinerman-Jones, L.E.**, Guznov, S., Mercado, J., & D'Agostino, A. (2013). Developing methodology for experimentation using a nuclear power plant simulator. *Proceedings of the Bi-annual Meeting of HCI International*.

**Reinerman, L.E.**, Langheim, L.K, Matthews, G., Warm, J.S (2008). Cerebral blood flow velocity and task engagement as predictors of simulated driving performance. *Proceeding of the 100th Annual Meeting of the Southern Society for Philosophy and Psychology (SSPP)*, New Orleans, L.A.

**Reinerman, L.**, Langheim, L., Matthews, G., Warm, J.S., Parsons, K.S., Beam, C., & Tripp, L.D. (2006). Stress and Blood Flow as Predictors of Performance. *Proceedings of the 98th Annual Meeting of the Southern Society for Philosophy and Psychology (SSPP)*, Charleston, S.C.

**Reinerman, L.**, Langheim, L., Matthews, G., Warm, J.S., Parsons, K.S., Beam, C., Siraj, T., Tripp, L.D., & Stutz, R.M. (2006). Cerebral blood flow velocity and task engagement as predictors of vigilance performance. *Proceedings of the 50th Annual Meeting of the Human Factors and Ergonomics Society (HFES)*, San Francisco, C.A.

**Reinerman, L.E.**, Matthews, G., Warm, J.S., & Langheim, L.K (2007). Predicting vigilance from cerebral blood flow velocity and task engagement. *Proceedings of the 51st Meeting of the Human Factors and Ergonomics Society (HFES)*, Baltimore, M.D.

**Reinerman-Jones, L.E.** & Nicholson, D. (2010). Transfer: From the laboratory to the real-world. *Proceedings of the 54th Annual Meeting of the Human Factors and Ergonomics Society (HFES)*.

**Reinerman-Jones, L.E.**, Sollins, B., & Hudson, I. (2013). Evaluating Human-Robot Implicit Communication using Psychophysiology. *Proceedings of the Annual Meeting of AUUSI Unmanned Systems North America*.

- Reinerman-Jones, L.E.**, Taylor, G., & Cosenzo, K. (July, 2011). Analysis of multivariate physiological data. Proceedings of the Bi-Annual Meeting of HCI International.
- Reinerman-Jones, L.E.** Taylor, G., & Hudson, I. (2011). The utility of adaptive automation in intelligence, surveillance, and reconnaissance operations. Proceedings of the Annual Meeting of AUVSI Unmanned Systems North America.
- Reinerman, L.E.**, Warm, J.S., Matthews, G., & Langheim, L.K. (2008). Cerebral blood flow and subjective state as indices of resource utilization during sustained driving. Proceedings of the 52nd Annual Meeting of the Human Factors and Ergonomics Society (HFES), New York City, NY.
- Sprouse, K., **Reinerman-Jones, L.E.**, & Nicholson, D. (2010). Training transfer design theory revisited for application to virtual environments. Proceedings of the 54nd Annual Meeting of the Human Factors and Ergonomics Society (HFES).
- Taylor, G., **Reinerman-Jones, L.E.**, Cosenzo, K., & Nicholson, D. (2010). Integrating multiple sensors to classify operator state in adaptive systems. Proceedings of the 54nd Annual Meeting of the Human Factors and Ergonomics Society (HFES).
- Vice, J. Skinner, A., **Reinerman-Jones, L.**, Berka, C., Barber, D., Sebrechts, M., Pojman, N., Lathan, C. (2011). Use of neurophysiological metrics within a real and virtual perceptual skills task to determine optimal simulation fidelity requirements. Proceedings of the Bi-annual Meeting of HCI International.

## Conference Presentations

- Abich, J., **Reinerman-Jones, L.E.**, & Taylor, G. (2013). Establishing workload manipulations utilizing a simulated environment. Proceedings of the Bi-annual Meeting of HCI International.
- Barber, D. **Reinerman-Jones, L.**, Lackey, S., Hudson, I. (2011). Physiological response driven robot behavior. Presentation at the Bi-annual Meeting of HCI International.
- Cosenzo, K.A., Chen, J.Y.C., **Reinerman-Jones, L.E.**, Barnes, M., & Nicholson, D. (September, 2010). Adaptive automation effects on operator performance during a simulated reconnaissance mission with an unmanned ground vehicle. Presentation at the 54nd Annual Meeting of the Human Factors and Ergonomics Society (HFES).
- Cosenzo, K.A., Chen, J.Y.C., Drexler, J., **Reinerman-Jones, L.E.**, Barnes, M., Nicholson, D., & Hudson, I. (December, 2010). Dynamic task allocation for secure mobility to enhance soldier effectiveness. Presentation at the Bi-Annual Army Science Conference, Orlando, FL.
- Guznov, S. **Reinerman-Jones, L.E.**, & Marble, J. (July, 2012). Applicability of Situation Awareness and Workload Metrics for Use in Assessing Nuclear Power Plant Designs. Presentation at the 4th International Conference of Applied Human Factors and Ergonomics (AHFE), San Francisco, CA.
- Langheim, L.K., Matthews, G., Warm, J.S., **Reinerman, L.E.**, Shaw, T.H., Finomore, V., Funke, M., Guznov, S. (July, 2007). The long pursuit: In search of predictors of individual differences in vigilance. Presentation at the Bi-annual Conference of the International Society for the Study of Individual Differences (ISSID), Giessen, Germany.
- Langheim, L.K., Matthews, G., Warm, J.S., **Reinerman, L.E.** (April, 2007). Effects of task-induced stress of cerebral blood flow velocity, cortisol, and subjective state. Presentation at the 99th Annual Meeting of the Southern Society for Philosophy and Psychology (SSPP), Atlanta, G.A.
- Matthews, G., Warm, J.S., Proctor, C.A., Parsons, K.S., **Reinerman, L.E.**, Langheim, L., Tripp, L.D. (July, 2005). Individual Differences in Cerebral Bloodflow during Sustained Performance. Presentation at the Bi-Annual Conference of the International Society for the Study of Individual Differences (ISSID), Adelaide, Australia.
- Matthews, G., Warm, J.S., **Reinerman, L.E.**, Langheim, L.K., Parsons, K.S., & Proctor, C.A., Tripp, L.D. (May, 2006). Cerebral bloodflow and subjective task engagement predict vigilance. Presentation at the 18th Annual Convention of the Association for Psychological Science (APS), NYC, N.Y.
- Matthews, G., Warm, J.S., **Reinerman, L.E.**, Langheim, L.K., Parsons, K.S., & Proctor, C.A., Tripp, L.D. (July, 2006). Cerebral bloodflow and subjective states predict sustained attention. Presentation at the 26th International Congress of Applied Psychology, Athens, Greece.
- Matthews, G., Warm, J.S., Shaw, T., Finomore, V., **Reinerman-Jones, L.E.**, Gustonov, S. (September, 2010). Functional fidelity, context-matching, and individual differences in performance. Presentation at the e 54nd Annual Meeting of the Human Factors and Ergonomics Society (HFES).
- Parsons, K.S., Tripp, L.D., **Reinerman, L.E.**, Lumpkin, K., Matthews, G., Dember, W.N., & Warm, J.S. (April, 2004). Cerebral tissue oxygenation and the vigilance decrement. Presentation at the 96th Annual Meeting of the Southern Society for Philosophy and Psychology (SSPP), New Orleans, L.A.
- Reinerman-Jones, L.E.** (September, 2010). The basic versus applied research dilemma. Presentation at the 54nd Annual Meeting of the Human Factors and Ergonomics Society (HFES).
- Reinerman-Jones, L.E.**, Barber, D., Lackey, S. & Nicholson, D. (July, 2010). Developing methods for utilizing physiological measures. Presentation at the 3rd International Conference of Applied Human Factors and Ergonomics (AHFE) at Miami, FL.
- Reinerman-Jones, L.E.**, Cosenzo, K., & Nicholson, D. (July, 2010). Subjective and objective measures of operator state in automated systems. Presentation at the 3rd International Conference of Applied Human Factors and Ergonomics (AHFE) at Miami, FL.
- Reinerman-Jones, L.E.**, Guznov, S., Mercado, J., & D'Agostino, A. (2013). Developing methodology for experimentation using a nuclear power plant simulator. Presentation at the Bi-Annual Meeting of HCI

International, Las Vegas, NV.

- Reinerman, L.E.**, Langheim, L.K, Matthews, G., Warm, J.S (March 2008). Cerebral blood flow velocity and task engagement as predictors of simulated driving performance. Presentation at the 100th Annual Meeting of the Southern Society for Philosophy and Psychology (SSPP), New Orleans, L.A.
- Reinerman, L.**, Langheim, L., Matthews, G., Warm, J.S., Parsons, K.S., Beam, C., & Tripp, L.D. (April, 2006). Stress and Blood Flow as Predictors of Performance. Presentation at the 98th Annual Meeting of the Southern Society for Philosophy and Psychology (SSPP), Charleston, S.C.
- Reinerman, L.**, Langheim, L., Matthews, G., Warm, J.S., Parsons, K.S., Beam, C., Siraj, T., Tripp, L.D., & Stutz, R.M. (October 2006). Cerebral blood flow velocity and task engagement as predictors of vigilance performance. Presentation at the 50th Annual Meeting of the Human Factors and Ergonomics Society (HFES), San Francisco, C.A.
- Reinerman, L.E.**, Matthews, G., Warm, J.S., Langheim, L.K., & Even, A. (May, 2007). Predicting cognitive vigilance performance: Cerebral blood flow velocity and task engagement. Presentation at the 19th Annual Convention of Association for Psychological Science, Washington D.C.
- Reinerman, L.E.**, Matthews, G., Warm, J.S., & Langheim, L.K (October, 2007). Predicting vigilance from cerebral blood flow velocity and task engagement. Presentation at the 51st Meeting of the Human Factors and Ergonomics Society (HFES), Baltimore, M.D.
- Reinerman-Jones, L.E.** & Nicholson, D. (September, 2010). Transfer: From the laboratory to the real-world. Proceedings of the 54nd Annual Meeting of the Human Factors and Ergonomics Society (HFES).
- Reinerman-Jones, L.E.**, Sollins, B., Gallagher, S., & Janz, B. (March, 2013). An integrated approach to exploring awe and wonder. Presentation at the Phenomenology and Its Futures, Johannesburg, South Africa.
- Reinerman-Jones, L.E.**, Sollins, B., & Hudson, I. (2013). Evaluating Human-Robot Implicit Communication using Psychophysiology. Presentation at the Annual Meeting of AUVSI Unmanned Systems North America, Washington, D.C.
- Reinerman-Jones, L.E.**, Taylor, G., & Cosenzo, K. (July, 2011). Analysis of multivariate physiological data. Presentation at the Bi-Annual Meeting of HCI International, Miami, FL.
- Reinerman-Jones, L.E.**, Taylor, G., & Hudson, I. (August, 2011). The utility of adaptive automation in intelligence, surveillance, and reconnaissance operations. Presentation at the Annual Meeting of AUVSI Unmanned Systems North America.
- Reinerman-Jones, L.E.**, Teo, G., & Parchment, A. (June, 2013). An evaluation o the situation judgment test as a multidimensional measure of decision making. Presentation at the 22<sup>nd</sup> International Conference on Multiple Criteria Decision Making, Malaga, Spain.
- Reinerman, L.E.**, Warm, J.S., Matthews, G., & Langheim, L.K. (September, 2008). Cerebral blood flow and subjective state as indices of resource utilization during sustained driving. Presentation at the 52nd Annual Meeting of the Human Factors and Ergonomics Society (HFES), New York City, NY.
- Sollins, B., **Reinerman-Jones, L.**, Gallagher, S., & Janz, B. (March, 2013). An integrated approach to exploring awe and wonder. Presentation at the Southern Society for Philosophy and Psychology, Austin, TX.
- Sprouse, K., **Reinerman-Jones, L.E.**, & Nicholson, D. (September, 2010). Training transfer design theory revisited for application to virtual environments. Presentation at the 54nd Annual Meeting of the Human Factors and Ergonomics Society (HFES).
- Taylor, G., **Reinerman-Jones, L.E.**, Cosenzo, K., & Nicholson, D. (September, 2010). Integrating multiple sensors to classify operator state in adaptive systems. Presentation at the 54nd Annual Meeting of the Human Factors and Ergonomics Society (HFES).
- Vice, J. Skinner, A., **Reinerman-Jones, L.**, Berka, C., Barber, D., Sebrecchts, M., Pojman, N., Lathan, C. (2011). Use of neurophysiological metrics within a real and virtual perceptual skills task to determine optimal simulation fidelity requirements. Presentation at the Bi-annual Meeting of HCI International.
- Barber, D. **Reinerman-Jones, L.E.**, & Lackey, S. (April 2012). Exploring Robot to Human Communication. Invited address at the Department of Defense Human Factors and Ergonomics Technical Advisory Group at Dayton, OH.
- Harper, M.E. & **Reinerman-Jones, L.E.** (October 2011). Tool for Real Time Intelligence Evaluation of Physiological and Operational Data (TRIEPOD). Invited address at the Department of Defense Human Factors and Ergonomics Technical Advisory Group at Vienna, VA.
- Reinerman-Jones, L.E.** (October, 2010). Key Issues in Adaptively Automated Unmanned Ground Vehicles: Invocation method, situation awareness, workload, and performance. Invited address at the Department of Defense Human Factors and Ergonomics Technical Advisory Group at San Jose, CA
- Reinerman-Jones, L.E.** (December, 2010). Implicit Communication. Invited address at the Robotics Collaborative Technology Alliance (RCTA) Multimodal Communication Workshop at Orlando, FL.
- Reinerman-Jones, L.E.** (April, 2011). Relevance of Task Switching, Incongruence, and Task Type to Adaptive Automation. Invited address at the Department of Defense Human Factors and Ergonomics Technical Advisory Group at Boston, MA.
- Reinerman-Jones, L.E.** (June, 2012). Experimental Design for Investigating Awe and Wonder in a Virtual Environment. Invited address at the Space, Science, and Spirituality Workshop at Berlin, Germany.
- Reinerman-Jones, L.E.** (July, 2012). Human Robot Interaction and Physiological Measures. Invited address a the Florida

**Invited  
Addresses**

Hospital Advances in Neuroscience Lecture Series at Orlando, FL.

- Reinerman-Jones, L.E.** (January, 2013). Tool for Assessing Metrics Applicable for Evaluating Nuclear Power Plant Design. Invited address at the Nuclear Regulatory Commission (NRC) Reviewer Workshop at Rockville, MD.
- Reinerman-Jones, L.E.** (February, 2013). Augmenting Robot Behaviors Using Physiological Measures. Invited address at the Joint Forces Simulation and Training Conference at London, England.
- Reinerman-Jones, L.E.** (March, 2013). Assessing States in Virtual Environments. Invited address at the Institute of Electrical and Electronics Engineers Virtual Reality (IEEE VR) conference at Orlando, FL.
- Reinerman-Jones, L.E.**, Barber, D., & Lackey, S. (October, 2011). Creating a Human-Robot Language. Invited address at the Department of Defense Human Factors and Ergonomics Technical Advisory Group at Vienna, VA.
- Reinerman-Jones, L.E.**, Barber, D., & Jackson, M. (April, 2012). Real-Time Physiological Measures. Invited address at the Department of Defense Human Factors and Ergonomics Technical Advisory Group at Dayton, OH.
- Reinerman-Jones, L.E.** & Guznov, S. (April, 2012). Tool for Assessing Metrics Applicable for Evaluating Nuclear Power Plant Design. Invited address at the Department of Defense Human Factors and Ergonomics Technical Advisory Group at Dayton, OH.
- Reinerman-Jones, L.E.** & Guznov, S. (October, 2012). Tool for Assessing Metrics Applicable for Evaluating Nuclear Power Plant Design. Invited address at the Nuclear Regulatory Commission (NRC) Reviewer Workshop at Rockville, MD.
- Reinerman, L.E.**, Matthews, G., Warm, J.S., Langheim, L.K., & Even, A. (October, 2007). Predicting Vigilance Cognitive Performance. Invited poster presented at Lexis Nexis' World Usability Day, Dayton, O.H.
- Reinerman, L.E.**, Matthews, G., Warm, J.S., Langheim, L.K., & Even, A. (May, 2008). Predicting Vigilance Performance. Invited poster presented at Festschrift for Joel S. Warm, Cincinnati, O.H.
- Reinerman-Jones, L.E.**, Taylor, G., & Abich, J. (April 2012). Augmenting Robot Behaviors Using Physiological Measures. Invited address at the Department of Defense Human Factors and Ergonomics Technical Advisory Group at Dayton, OH.
- Reinerman-Jones, L.E.**, Taylor, G., Barber, D., & Hudson, I. (October 2011). ISR Missions: A Multi-Tasking Problem and an Automation Solution. Invited address at the Department of Defense Human Factors and Ergonomics Technical Advisory Group at Vienna, VA.

## Posters

- Matthews, G., Warm, J.S., **Reinerman, L.E.**, Langheim, L.K., Parsons, K.S., & Proctor, C.A., Tripp, L.D. (May, 2006). Cerebral bloodflow and subjective task engagement predict vigilance. Presentation at the 18th Annual Convention of the Association for Psychological Science (APS), NYC, N.Y.
- Reinerman, L.E.**, Matthews, G., Warm, J.S., Langheim, L.K., & Even, A. (May, 2007). Predicting cognitive vigilance performance: Cerebral blood flow velocity and task engagement. Presentation at the 19th Annual Convention of Association for Psychological Science, Washington, D.C.

## Media Coverage

- Backscheider, K. (2004). College success started early for Reinermans. Western Hills Press, 78, 3.
- Calvet-Harrold, C. (April 9, 2010). 2010 Up-and-comer of the year and finalist: Lauren Reinerman-Jones. Orlando Business Journal.
- Hoffman, C. (2004). High school, college: It's all the same success story for Reinermans. University of Cincinnati Public Relations from <http://www.uc.edu/profiles>.
- Kennerly, B. (Nov, 2006). Psychology team's vigilance research draws attention. McMicken Monthly found at [http://asweb.artsci.uc.edu/CollegeMain/news\\_events/newsDetail.cfm?articleID=837](http://asweb.artsci.uc.edu/CollegeMain/news_events/newsDetail.cfm?articleID=837).
- McKee, T. Coretta Scott King speaks at U.C.'s graduation. ABC Channel 9 News Cincinnati, Ohio broadcast June 11, 2004 and from <http://www.wcpo.com/news/2004/local/06/11/uc.html>.
- McKee, T. Citizens for democracy. ABC Channel 9 News Cincinnati, Ohio broadcast September 23, 2004.
- Probst, J. (2004). Golden key hosts member induction. The News Record, 14, 1-2.
- Reinerman, L. (2005). Two of a kind. Concepts, 28, 1.
- Reinerman, L. Bee on the street. WUBE B105 Radio Station. Cincinnati, Ohio broadcast 2006.

## Honors, Awards, and Service

- Presidential Early Career Award for Scientists and Engineers (PECASE) nominee
- Began attending the University of Cincinnati at age 14, made Dean's List every quarter, and graduated Magna Cum Laude.
- Inducted to Phi Beta Kappa Honorary Society founded in 1776 by Benjamin Franklin.
- Augmented Cognition Program Chair for Human Factors and Ergonomics Society.
- Finalist for Business Woman of the Year named by the *Orlando Business Journal*.
- Invited Keynote Speaker for the "International Round Table" and "Orlando Women's Executive Counsel."
- Guest lecturer for Peter Hancock's Human Factors II Graduate Seminar and Steve Fiore's Research Methods in Cognitive Science Graduate Class 2010, 2011, 2012, 2013.
- Highest Senior Woman Graduate Award by the University of Cincinnati Psychology Department.
- Highest Senior Graduate Award by the University of Cincinnati Communications Department.
- University of Cincinnati C-Ring Award finalist for most Outstanding Graduating Senior Woman.
- Keynote Graduating Speaker at the University of Cincinnati Commencement Ceremonies.
- Graduate Representative to the Ohio Psychological Association.
- President/Advisor of Golden Key International Honour Society, Cincinnati Chapter.
- Secretary of Omicron Delta Kappa National Leadership Honor Society and director of Camp Bearcat for 1<sup>st</sup> year leadership.
- Selected 1/40 in the U.S. for Campus Leaders Today, Community Leaders Tomorrow in NYC concerning non-profit leadership.
- Board member of Midwest Operation Safe promoting domestic violence and abuse awareness and education through Reds game event and speaking to community leaders.
- Psi Chi- member and guest speaker for the Human Factors Psychology Department.
- Scholarship Officer of Theta Phi Alpha Sorority, winning Omega Award for "Best Greek Academic Program"
- University of Cincinnati Varsity Bearcat Band Section Leader.
- Recipient of the UC Arts & Sciences Full-Merit College Scholarship.
- Itinerant Speaker to Mason High School in Career Choice and Post-Secondary Education.
- Oak Hills High School featured alumnus.
- Participated in the March of Dimes Ride to benefit premature baby research.
- Volunteered annually at the Special Olympics in Columbus, OH to fundraise for future special needs events.
- Volunteered at the ATP Tennis Masters Summer Soiree to benefit the Barrett Cancer Center, Boys and Girls Club, and Cincinnati Children's Hospital.
- Volunteered at the Florida Children's Hospital Ronald McDonald House.
- Mentor people who are in transition or are seeking new direction for their career.