

Lauren E. Reinerman-Jones

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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

2015-Present Institute for Simulation and Training, University of Central Florida Orlando, Florida

Director of Prodigy/Assistant Professor

- Execute multi-million dollar contracts as a PI and co-PI including research for the Nuclear Regulatory Commission (NRC), Educational Testing Services (ETS), MITRE, Johns Hopkins University, and various branches of the U.S. Army and Air Force, working side-by-side with our sponsors to achieve ecologically valid results, quality publications and fielded applications.
- Expanded funding portfolio by \$4,475,000 in the first six months as director of a new lab at IST, thus recognized as a member of the University of Central Florida's Millionaires Club. .
- Invited key note speaker at the Human Factors in Control Conference in Bergen, Norway.
- Invited to complete a Visiting Professorship at the Federal University of Uberlandia in Uberlandia, Brazil.
- Invited Conference Board Member for CogSIMA.
- Invited Scientific Advisory Board Member for the AHFE Conference on Oil, Gas, and Nuclear Energies, resulting one the best attended sessions.
- Organized a panel on Trust in Autonomy at the 2015 Department of Defense, Human Factors and Ergonomics, Technical Advisory Board, which was attended by 67 professionals resulting in me as elected Chair of the Trust in Autonomy Interest Group.
- Elected as Department of Defense, Human Factors and Ergonomics, Technical Advisory Board, Cybersecurity Interest Group Chair.
- Continue to serve on boards for TIES, ACI, and HFES. Continue to serve as a reviewer for the journals listed below and *Personnel*.
- Lead 8 PhDs, 1 post-Masters, 12 graduate students, 1 post-Bachelors, 2 undergraduate students, and 3 high school students from fields including psychology, industrial engineering, modeling and simulation, computer engineering, and anthropology in funded human performance focused multi-disciplinary research.
- Serve as chair, co-chair, and committee member for dissertations in Modeling and Simulation, Human Factors Psychology, and Industrial Engineering, contributing to the importance of academic and scientific rigor even though advising is outside the scope of position requirements.

2012-Present DUJO, LLC. Orlando, Florida

Founder and Chief Executive Officer

- Invented the idea for which the company was founded on a multi-dimensional (questionnaires, physiological responses and performance measures) selection, prediction, and validation method for personal skill insight, resulting in a patent pending titled "Skill Screening."
- Managed customer accounts and create customized assessment reports including development guides for the intended job and company.
- Designed test batteries and executed experimental validation testing to ensure sound science built from theory for strong commercial delivery.
- Developed physiological synchronization and survey presentation software for easy data collection and processing.
- Built strong relationships with vendors of physiological sensors, ensuring the highest quality technology for DUJO selection and development products.

2011-2014 Institute for Simulation and Training, University of Central Florida Orlando, Florida

Assistant Professor

- Executed large accounts as a PI and co-PI including research for the Nuclear Regulatory Commission (NRC), the John Templeton Foundation, and various branches of the U.S. Army, Navy, and Air Force working side-by-side with our sponsors to achieve ecologically valid results, quality publications, and fielded applications.
- Designed, constructed, and delivered a decision making aid to NRC regulators used today for licensing activities.
- Experienced in working with various subject matter experts and expert participants including astronauts, nuclear

power plant operators, explosive ordinance disposal (EOD) Warfighters, military in various ranks, truck drivers, and medical doctors.

- Successfully completed two NRC operator training courses and two NRC Technical Training Center (TTC) visits, gaining knowledge-base to effectively design experiments that balance scientific control with realism. NRC branch chief presented work at a Commissioners meeting, demonstrating collaborative success <http://www.nrc.gov/public-involve/public-meetings/webcast-live.html>.
- Led a multi-disciplinary team of 16 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.
- Proficient with FaceLab Desk Mounted Eye Tracking, ABM EEG/ECG, Covidien fNIR, and Spencer TCD, leading to novel research and innovative technology development.
- Published and presented internationally throughout Psychology, Philosophy, Engineering, and Business.
- Invited editorial board member for the *Theoretical Issues in Ergonomics Science (TIES)* journal.
- Invited Scientific Advisory Board Member for the Augmented Cognition International (ACI) Conference.
- Elected Technical Chair for the HFES Augmented Cognition Technical Group and elected to the HFES Council of Technical Groups Executive Council.
- Reviewer for *Human Factors*, *Military Psychology*, *Journal of Cognitive Engineering and Decision Making*, *TIES*, *Cognitive Neurodynamics*, *PLOS ONE*, *IEEE Transactions on Human-Machine Systems*, *Frontiers Neuroscience*, a book on Brain Health, a book on Space Dangers, Army Research Office (ARO) Proposals, Army Research Laboratory (ARL) Technical Reports, and Office of Naval Research (ONR) Program Reviews on Human-Robot Interaction and Cybersecurity.
- Organized and executed two workshops in Washington D.C. for the NRC and one conference in Orlando, FL titled, *Exploring Awe and Wonder*.
- Served as chair, co-chair, and committee member for dissertations in Modeling and Simulation, Human Factors Psychology, and Industrial Engineering, contributing to the importance of academic and scientific rigor even though advising is outside the scope of position requirements.
- Taught the Human Computer Interaction (HCI) graduate class, serving students in Industrial Engineering and Management Systems, Human Factors Psychology, and Modeling and Simulation, even though teaching is outside the scope of position requirements.

2010-2011 Institute for Simulation and Training, University of Central Florida Orlando, Florida

Research Associate

- 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.
- Collaborated with computer engineers to create a physiological synchronization software program enabling simultaneous data collection from multiple sensors and simulations.
- Advanced standardized capabilities for post-hoc data processing such that 100 participants' data from EEG, ECG, eye tracking, and performance metrics is processed into a single master sheet for export into SPSS or other statistical packages in a matter of minutes.
- Published and presented in leading journals and conferences.
- Organized and executed a workshop for the U.S. Army Research Laboratory.
- Elected Program Chair for the HFES Augmented Cognition Technical Group, resulting in tripled submissions, doubled sessions, creation of two new student awards, and the first technical group to create a linked-in account, becoming a requirement for all technical groups.
- Reviewer for *Military Psychology* and Army Research Office (ARO) Proposals.

2009-2010 Institute for Simulation and Training, University of Central Florida Orlando, Florida

Visiting Faculty

- Successfully unified the cultures of four teams consisting of 12 individuals following lab restructuring.
- Recruited new funding and led grant proposals, resulting in being a preferred contractor for the Nuclear Regulatory Commission (NRC) and millions of research dollars.
- Elected Program Chair for the HFES Augmented Cognition Technical Group, responsible for organizing reviewers and paper submissions, informing the group, selecting sessions for the conference, and facilitating collaboration.
- Proficient with Arrington Eye Tracker, ABM 6 channel EEG, and Thought Technologies ECG and GSR.
- Developed standardized practices for high-quality and efficient data processing techniques in coordination with computer engineer.

2004-2009 University of Cincinnati Cincinnati, Ohio

Senior 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.

2000-2003 Cincinnati Museum Center Cincinnati, Ohio

Omni Max Floor Staff

- Accomplished in presenting, motivating, and interacting effectively with the media and public of all ages, religious preferences, and ethnicities, thus earning the CMC award for "Special Recognition for Visitor Satisfaction."
- Communicated with projectionist while operating film console enabling identification of problems and

implementation of successful solutions.

2000-2003

Sears, Roebuck & Co.

Cincinnati, Ohio

Sales Associate

- Repeatedly number one in sales for Home Fashions Dept. and credit card applications which increased store profits and customer referrals.
- Exemplified patience and communication with customers of all diversities - Sears, Roebuck Inc. awarded "Exceptional Certificate for Customer Satisfaction."

Principal Investigator

- 2016-2019 Army Research Laboratory (ARL). *Informing the Long-Term Learner Model: Personality Factors, Physiological Response, and Affect*. Cooperative Agreement \$600,000 (Unofficial Notification of Award)
- 2015-2019 Army Research Laboratory (ARL). *Evaluating and Informing Army Training*. Cooperative Agreement \$3,600,004
- 2015-2016 Army Research Laboratory (ARL). *Socio-cultural Factors Influencing Command Level Decision Making*. Cooperative Agreement \$270,000
- 2015-2016 Army Research Laboratory (ARL). *Stressors and Resilience*. Cooperative Agreement \$45,000
- 2012-2017 Nuclear Regulatory Commission (NRC). *Human Performance Test Facility*. IDIQ \$1,572,902
- 2011-2014 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 sub-contract from Stottler-Henke \$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 sub-contract from Think-A-Move \$5000
- 2009-2011 Office of Naval Research (ONR); *Perceptually-informed Virtual Environments (PerceiVE)*. STTR Phase I and II \$400,000

Co-Principal Investigator

- 2016-2019. Intelligence Advanced Research Projects Activity (IARPA). *Insider Response Metrics for Insider Threat Detection*. Cost Reimbursable \$3,000,000
- 2015-2017. Battelle Memorial Institute. *Aviation Combined Arms Tactical Trainer (AVCATT) Training Effectiveness Evaluation (TEE)*. Grant \$805,661,00
- 2015-2016. Army Research Laboratory (ARL). *Evaluation and Transition of Emerging Medical Simulation Technologies*. Cooperative Agreement \$300,000.
- 2015-2016. Army Research Laboratory (ARL). *H5.1 and H7.2: Robotics Collaborative Technology Alliance (RCTA)*. CTA \$205,000
- 2014-2015. Army Research Laboratory (ARL). *RCTA Task H5: Evaluating Tactical Command and Coordination Vocabulary and Protocols*. CTA \$150,000
- 2014-2017. Army Research Laboratory (ARL). *Robot Aided Intelligence, Surveillance, and Reconnaissance (RAISR)*. Cooperative Agreement \$1,292,000
- 2013-2014. Army Research Laboratory (ARL). *Robotics Collaborative Technology Alliance (RCTA) H5*. CTA \$160,000
- 2013-2016. Air Force Office of Scientific Research (AFOSR), *Impact of Individual Differences on Resilience Optimization Mitigation Strategies for Sustained Operation of Autonomous Systems: Focus on Mitigation Strategies*. Sub-contract from the University of Cincinnati \$210,000
- 2013-2014. Intelligence Advanced Research Projects Activity (IARPA), *Sirius Program Phase 2: Assessment of Cognitive Biases in Decision-Making*. Sub-contract from MITRE \$130,000
- 2011-2014. 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*. CTA \$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
- 2009-2011. Army Research Laboratory (ARL). *Human Agents for Training and Simulation (HATS)*. IDIQ \$500,000

Co-Investigator or Key Personnel

- 2011 Department of Transportation (DoT). *Commercial Motor Vehicle Distractions*. Responsible for \$19,574
- 2010-2011 Office of Naval Research (ONR). *Development of Pilot Training Technology for Analysis of Medical Datasets*. Responsible for Economy Stimulus Award \$75,000

Funding

Books

- Gallagher, S., **Reinerman-Jones, L.**, Janz, B., Bockelman, P., & Tremplar, J. (2015). *A Neurophenomenology of Awe and Wonder: Toward a Non-Reductionist Cognitive Science*. Hampshire, UK: Palgrave MacMillan.
- Matthews, G. & **Reinerman-Jones, L.** (in progress). *Practical Guide to Workload Measurement*. San Diego, CA: Human Factors and Ergonomics Society.

Book Chapters

- Abich, J., **Reinerman-Jones, L.E.**, & Taylor, G. (2013). Establishing workload manipulations utilizing a simulated environment. New York: Springer.
- Guznov, S. **Reinerman-Jones, L.E.**, & Marble, J. (2012). Applicability of Situation Awareness and Workload Metrics for Use in Assessing Nuclear Power Plant Designs. New York: Springer.
- Hughes, N., D'Agostino, A., & Reinerman-Jones, L. (2016). The NRC Human Performance Test Facility: An Approach to Data Collection Using Novices and a Simplified Environment. Springer.
- Lackey, S., Barber, D., **Reinerman-Jones, L.E.**, Ortiz, E., and Fanfarelli, J. (2014). Human Robot Communication. In K. Hale & K. Staney (Eds.) *Handbook of Virtual Environments*, 2nd 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., Rusovivi, R., Hackett, M., Pike, W. (in progress). *Senses in Action. Human Factors in Practice: Concepts and Applications*. Farnham, UK: Ashgate.
- Reinerman-Jones, L.E.**, Goldberg, B., & Goodwin, M. (in progress). *Assessment in Education and Training*. Hershey, PA: IGI Global.
- 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.
- Reinerman-Jones, L.E.**, Goldberg, B., & Goodwin, M. (in progress). *The Future of Assessment for Individualized Naturalistic Learning*. Hershey, PA: IGI Global.
- Reinerman-Jones, L.E.**, Guznov, S., Mercado, J., & D'Agostino, A. (2013). Developing methodology for experimentation using a nuclear power plant simulator. New York: Springer.

Refereed Journals

- Abich, J., Matthews, G., & **Reinerman-Jones, L.E.** (under review). On the way: An experimental evaluation of human-surrogate interaction. *Plos One*.
- Abich, J., **Reinerman-Jones, L.E.**, & Matthews, G. (accepted with minor revisions). Impact of workload and stress on unmanned system intelligence, surveillance, and reconnaissance operations. *Ergonomics*.
- Barber, D., **Reinerman-Jones, L.E.**, & Matthews, G. (2014). Towards a tactile language for human-robot interaction: two studies of tacton learning and performance. *Human Factors: The Journal of Human Factors and Ergonomics Society*.
- Bockelman, P., **Reinerman-Jones, L.E.**, Gallagher, S., & Janz, B. (2013). Methodological imperatives in neurophenomenology: Review of a baseline study and recommendations for research approaches. *Frontiers in Neuroscience*. (Top 5 cited papers in 2015).
- Gallagher, S., **Reinerman-Jones, L.E.**, Janz, B., Bruhn, M., Templar, J., & Sollins, B. (2014). Using simulated environments in experimental studies of cognition: A study of spiritual experience during space travel. *Theoretical Issues in Ergonomics Science*.
- Matthews, G., **Reinerman-Jones, L.**, Abich, J., & Barber, D. (2014). The Psychometrics of Mental Workload: Multiple measures are sensitive but divergent human factors: *The Journal of Human Factors and Ergonomics Society*.
- 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.
- Mercado, J., **Reinerman-Jones, L.**, Barber, D., Szalma, J., Hancock, P.A. (under review). Assessing the effectiveness of workload measures in the nuclear domain. *Journal of Safety Research*.
- Reinerman-Jones, L.**, Barber, D., Szalma, J., Hancock, J. (accepted with minor revisions). Human Interaction with Autonomous Systems. *Ergonomics*.
- Reinerman-Jones, L.**, D'Agostino, A., Hughes, N., Gusnov, S., & Matthews, G. (under review). Workload, Situation Awareness, and Teamwork Measures for Nuclear Power Plant Main Control Rooms. *Journal of Safety Research*.
- Reinerman-Jones, L.E.** & Lackey, S. (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.** & Matthews, G. (in progress). Vigilance and Nuclear Power Plant Operations. *Human Factors*.
- 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.**, Mercado, J., Szalma, J.L., & Hancock, P.A. (under review). Assessing Operator Response on Nuclear Power Plant Control Tasks through Objective Measures, Subjective Report, and Physiological Reactions. *Journal of Safety Research*.
- Reinerman-Jones, L.E.**, Sollins, B., Gallagher, S., & Janz, B. (2013). Neurophenomenology: An integrated approach to exploring awe and wonder. *South African Journal of Philosophy*, 32 (4), 295-309.
- Taylor, G.S., **Reinerman-Jones, L.E.**, Szalma, J.L., Hancock, P.A., Mouloua, M. (2013). What to automate: Addressing the multidimensionality of cognitive resources through system design. *Journal of Cognitive Engineering and Decision Making*.
- Tyson, J. and **Reinerman-Jones, L.** (in progress). Generic Metrics Catalog (GMC) Decision Making Wizard (DMW). *IEEE Xpert*.

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.) (2014). The Basic Versus Applied Debate Revisited, Special Edition, 1,2. *Theoretical Issues in Ergonomics Science*. London: Taylor & Francis.

Guest Editor

Reinerman-Jones, L.E., Lyons, J., Matthews, G., & Barber, D. (in progress). Human Robot Teaming: From Tools to Teammates. *Frontiers Information and Communications Technology*. Lausanne, Switzerland.

Refereed Proceedings

- Abich, J., Barber, D., & **Reinerman-Jones, L.** (2015). Experimental environments for dismounted human-robot multimodal communications. Proceedings of the Annual Meeting of HCI International, Los Angeles, CA.
- Abich, J., Matthews, G., **Reinerman-Jones, L.** (2015). Individual differences in UGV operation: A comparison of subjective and psychophysiological predictors. Proceedings of the Annual International Meeting of the Human Factors and Ergonomics Society (HFES), Los Angeles, CA.
- Abich, J., **Reinerman-Jones, L.E.**, Matthews, G., Welch, G., Lackey, S., Hughes, C., & Nagendran, A. (2014). Good enough yet? A Preliminary Evaluation of Human-Surrogate Interaction. Proceedings of the Annual Meeting of HCI International, Crete, Greece.
- Abich, J., **Reinerman-Jones, L.** & Taylor, G. (2013). Investigating workload measures for adaptive training systems. Proceedings of the 57th Annual Meeting of the Human Factors and Ergonomics Society (HFES).
- Barber, D. **Reinerman-Jones, L.**, Lackey, S., Hudson, I. (2011). Physiological response driven robot behavior. Proceedings of the Bi-annual Meeting of HCI International.
- Brown, J., Gray, J., Blanco, C., Juneja, A., Alberts, J., & **Reinerman, L.** (2011). Hands-free, heads-up control system for unmanned ground vehicles. Proceedings of the 2011 Ground Vehicle Systems Engineering and Technology Symposium (GVSETS).
- 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.
- Descheneaux, C. R., **Reinerman-Jones, L.E.**, & Barber, D. (2013). Hemispheric differences in spatial ability in robot to human tactile communication. Proceedings of the 57th Annual Meeting of the Human Factors and Ergonomics Society (HFES), San Diego, CA.
- Harris, J., **Reinerman-Jones, L.**, Teo, G. (2016). The impact nuclear power plant simulation display on error rates. Proceedings of the Annual International Meeting of AHFE, Orlando, FL.
- 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 55th Annual Meeting of the Human Factors and Ergonomics Society (HFES).
- Lackey, S., **Reinerman-Jones, L.E.**, & Salcedo, J. (April, 2014). Equal but Different: 5 Research Strategies for Improving Conclusions Drawn from Novice Populations. Proceedings of the 2014 MODSIM World Conference, Hampton, VA.
- Lackey, S., Sollins, B., & **Reinerman-Jones, L.** (March, 2015). Comparing Models for Modeling Subjective and Objective Measures for Two Task Types. *IEEE CogSIMA*, Orlando, FL.
- Leis, R. & **Reinerman-Jones, L.** (2015). Methodological implications of confederate use for experimentation in safety-critical domains. Proceedings of the International Meeting of Applied Human Factors and Ergonomics, Las Vegas, NV

- Leis, R., **Reinerman-Jones, L.**, Mercado, J., & Szalma, J. (2015). Workload Change Over Time for Nuclear Power Plant Operation Tasks. Proceedings of the Annual International Meeting of the Human Factors and Ergonomics Society (HFES), Los Angeles, CA.
- Leis, R., **Reinerman-Jones, L.**, Sollins, B., Barber, D., & Mercado, J., (October, 2014). Nuclear Power Plant Task Workload Across Repeated Sessions Proceedings of the Annual. International Meeting of the Human Factors and Ergonomics Society (HFES), Chicago, IL.
- Lin, J., Matthews, G., Wohleber, R., Funke, G., **Reinerman-Jones, L.** (2015). Video Game Experience and Gender as Predictors of Performance and Stress During Supervisory Control of Multiple Unmanned Aerial Vehicles. Proceedings of the Annual International Meeting of the Human Factors and Ergonomics Society (HFES), Los Angeles, CA.
- Matthews, G., **Reinerman-Jones, L.**, Wohleber, R., Lin, J., Mercado, J., Abich, J. (2015). Workload is Multidimensional, not Unitary: What Now? Proceedings of the Annual Meeting of HCI International, Los Angeles, CA.
- 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., Finnmore, 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).
- Mercado, J., **Reinerman-Jones, L.**, Barber, D., & Leis, R. (October, 2014). Investigating workload measures in the nuclear domain. Proceedings of the Annual International Meeting of the Human Factors and Ergonomics Society (HFES), Chicago, IL.
- Ogreten, S. & **Reinerman-Jones, L.** (2015). Interview to questionnaire comparison of workload measurement on nuclear power plant tasks. Proceedings of the International Meeting of Applied Human Factors and Ergonomics (AHFE), Las Vegas, NV.
- Ortiz, E. & **Reinerman-Jones, L.** (2015). Theoretical foundations for developing cybersecurity training. Proceedings of the Annual Meeting of HCI International, Los Angeles, CA.
- Ortiz, E., Reinerman-Jones, L., & Matthews, G. (2016). Developing an insider threat simulation environment. Proceedings of the Annual International Meeting of AHFE, Orlando, FL.
- Parchment, A., Wohleber, R., & Reinerman, L.E.** (2016). Physiological baseline methods and usage. Proceedings of the Annual Meeting of HCI International, Toronto, Canada.
- 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. Proceeding of the Bi-Annual Meeting of HCI International, Las Vegas, NV.
- Reinerman, L.E.**, Lackey, S., Abich, J., Sollins, B., & Hudson, I. (2016). Theoretical versus Mathematical Approach to Modeling Psychological and Physiological Data. Proceedings of the Annual Meeting of HCI International, Toronto, Canada.
- 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-Jones, L.**, Leis, R., Mercado, J., D'Agostino, A., Hughes, N. (2015). Workload Associated with Nuclear Power Plant Main Control Room Tasks. Proceedings of the Annual International Meeting of the Human Factors and Ergonomics Society (HFES), Los Angeles, CA
- Reinerman-Jones, L.E.**, Matthews, G. Abich, J., & Barber, D. (2014). Psychophysiological Metrics for Workload are Demand-Sensitive but Multifactorial. Proceedings of the Annual International Meeting of the Human Factors and Ergonomics Society (HFES), Chicago, IL.
- 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.**, Parchment, A., Matthews, G., Barber, D., & Lackey, S. (2014). Cerebral Blood Flow Velocity and Stress as Predictors of Decision Making. Proceedings of the Annual International Meeting of the Human Factors and Ergonomics Society (HFES), Chicago, IL.
- Reinerman-Jones, L.E.**, Sollins, B., & Hudson, I. (2013). Evaluating Human-Robot Implicit Communication using Psychophysiology. Proceedings of the Annual International Meeting of AUUVSI Unmanned Systems North America.
- Reinerman-Jones, L.**, Teo, G., Wohleber, R., & Lin, J. (2016). The relevance of theory to human robot teaming research and development. Proceedings of the Annual International Meeting of AHFE, Orlando, FL.
- Reinerman-Jones, L.E.**, Taylor, G., Cosenzo, K., & Lackey, S. (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 AUUVSI 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.
- Salcedo, J.N., Lackey, S.J., & **Reinerman-Jones, L.E.**, (April, 2014). Massed Exposure Improves Response Time for Detection of Nervous Human Behaviors in Robot-Aided ISR Missions. Proceedings of the MODSIM World Conference, Hampton, VA.
- Salcedo, J.N., Lackey, S.J., & **Reinerman-Jones, L.E.**, (2014). Impact of Instructional Strategies on Motivation and Engagement for Simulation-Based Training of Robot-Aided ISR Tasks. Proceedings of the 2014 International Annual Meeting of the Human Factors and Ergonomics Society (HFES), Chicago, IL.
- Scribner, D., Grazaitis, P., Animashaun, A., Grynovicki, J., & **Reinerman-Jones, L.** (2015). Analysis of Sociocultural Constructs Applicable to Blue Force Teams: Increasing Fidelity From Pencil and Paper and Video Tests to Virtual Environments. Proceedings of the Annual Meeting of HCI International, Los Angeles, CA.
- Sollins, B., Chen, D.W., & **Reinerman-Jones, L.** (2014). Truck Driving Distractions: Impact on Performance and Physiological Response Proceedings of the Annual International Meeting of the Human Factors and Ergonomics Society (HFES), Chicago, IL.
- 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).
- Stevens, J., Ortiz, E., **Reinerman-Jones, L.**, & Maxwell, D. (December, 2015). Approach to examine efficacy of game-based and virtual simulation training. Proceedings of the Annual Meeting of I/ITSEC, Orlando, FL.
- 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).
- Teo, G. & **Reinerman-Jones, L.**, (2014). Robot behavior for enhanced human performance and workload. Proceedings of the Annual Meeting of HCI International, Crete, Greece.
- Teo, G., **Reinerman-Jones, L.**, & Barber, D. (2014). Determining language for human to robot navigational commands. Proceedings of the Annual International Meeting of the Human Factors and Ergonomics Society (HFES), Chicago, IL. Proceedings of the Annual HCI International, Toronto, Canada.
- Teo, G., **Reinerman-Jones, L.**, Matthews, G., Barber, D., & Harris, J. (2016) Augmenting robot behaviors using physiological measures of workload state.
- Teo, G., **Reinerman-Jones, L.**, Matthews, G., & Szalma, J. (2015). Comparison of measures used to assess the workload of monitoring an unmanned system in a simulation mission. Proceedings of the International Meeting of Applied Human Factors and Ergonomics, Las Vegas, NV.
- 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.
- Wohleber, R., Matthews, G., Reinerman-Jones, L., Scribner, D. (2015). Individual Differences in Resilience and Affective Response during Simulated UAV Operations. Proceedings of the Annual International Meeting of the Human Factors and Ergonomics Society (HFES), Los Angeles, CA.

Conference Presentations

- Abich, J., **Reinerman-Jones, L.E.**, & Taylor, G. (July, 2013). Establishing workload manipulations utilizing a simulated environment. Proceedings of the Bi-annual Meeting of HCI International.
- Abich, J., **Reinerman-Jones, L.** & Taylor, G. (October, 2013). Investigating workload measures for adaptive training systems. Presentation at the 57th Annual Meeting of the Human Factors and Ergonomics Society (HFES).
- Descheneaux, C. R., **Reinerman-Jones, L.R.**, & Barber, D. (October, 2013). Hemispheric differences in spatial ability in robot to human tactile communication. Presentation at the 57th Annual Meeting of the Human Factors and Ergonomics Society (HFES).
- Barber, D. **Reinerman-Jones, L.**, Lackey, S., Hudson, I. (July, 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.
- Leis, R. & **Reinerman-Jones, L.** (2015). Methodological implications of confederate use for experimentation in safety-critical domains. Proceedings of the International Meeting of Applied Human Factors and Ergonomics, Las Vegas, NV
- Leis, R., **Reinerman-Jones, L.**, Mercado, J., & Szalma, J. (2015). Workload Change Over Time for Nuclear Power Plant Operation Tasks. Proceedings of the Annual International Meeting of the Human Factors and Ergonomics Society (HFES), Los Angeles, CA.
- 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.**, Guznov, 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.**, Lackey, S., Abich, J., Sollins, B., & Hudson, I. (2016). Theoretical versus Mathematical Approach to Modeling Psychological and Physiological Data. Proceedings of the Annual Meeting of HCI International, Toronto, Canada
- 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.**, Matthews, G. Abich, J., & Barber, D. (October, 2014). Psychophysiological Metrics for Workload are Demand-Sensitive but Multifactorial. Proceedings of the Annual International Meeting of the Human Factors and Ergonomics Society (HFES), Chicago, IL.
- Reinerman-Jones, L.E.** & Nicholson, D. (September, 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.**, Parchment, A., Matthews, G., Barber, D., & Lackey, S. (October, 2014). Cerebral Blood Flow Velocity and Stress as Predictors of Decision Making. Proceedings of the Annual International Meeting of the Human Factors and Ergonomics Society (HFES), Chicago, IL.
- 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. (August, 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 of the situation judgment test as a multidimensional measure of decision making. Presentation at the 22nd 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.
- Salcedo, J.N., Lackey, S.J., & **Reinerman-Jones, L.E.**, (October, 2014). Impact of Instructional Strategies on Motivation and Engagement for Simulation-Based Training of Robot-Aided ISR Tasks. Proceedings of the 2014 International Annual Meeting of the Human Factors and Ergonomics Society (HFES), Chicago, IL.
- 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 54th 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 54th Annual Meeting of the Human Factors and Ergonomics Society (HFES).
- Teo, G. & **Reinerman-Jones, L.** (June, 2014). Robot Behavior for Enhanced Human Performance and Workload. Proceedings of the Annual Meeting of HCI International, Crete, Greece.
- 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. Presentation at the Bi-annual Meeting of HCI International.

Invited Addresses

- Barber, D., Abich, J., & **Reinerman-Jones, L.** (May, 2015). Multimodal Communication for Dismounted Human-Robot Teams. Invited address at the Department of Defense Human Factors and Ergonomics Technical Advisory Group (DoD HFE TAG) Meeting 69.
- 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.
- Leis, R. & **Reinerman-Jones, L.** (May 2015). Workload Differences across Simulation Interfaces in the Nuclear Power Plant Domain. Invited address at the Department of Defense Human Factors and Ergonomics Technical Advisory Group (DoD HFE TAG) Meeting 69.
- Matthews, G., Lin, J., Wohleber, R., & **Reinerman-Jones, L.** (May, 2015). Individual Differences in Performance, Trust, and Stress during Multi-UAV Operation. Invited address at the Department of Defense Human Factors and Ergonomics Technical Advisory Group (DoD HFE TAG) Meeting 69.
- Matthews, G., Lin, J., Reinerman-Jones, L., Calhoun, G., Chiu, P. (November, 2014). Stress, fatigue, and automation: How fo they intersect in UAV operation? Invited address of the Department of Defense Human Factors and Ergonomics Technical Advisory Group (DoD HFE TAG) Unmanned Systems Sub-TAG Virtual Meeting.
- Ortiz, E. & **Reinerman-Jones, L.E.** (May, 2015). Simulated Environments for Cybersecurity Training. Invited address at the Department of Defense Human Factors and Ergonomics Technical Advisory Group (DoD HFE TAG) Meeting 69.
- 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 at the Florida 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.** (March, 2015). Mutual Awareness in Human-Robot Teams. Invited panelist the IEEE CogSIMA, Orlando, FL.
- Reinerman-Jones, L.** (May, 2015). Trust in Autonomy Panel. Invited panel organizer and moderator at the Department of Defense Human Factors and Ergonomics Technical Advisory Group (DoD HFE TAG) Meeting 69.
- Reinerman-Jones, L.E., & Abich, J.** (May, 2014). Augmenting Robot Behaviors Using Physiological Measures of State. Invited address at the Department of Defense Human Factors and Ergonomics Technical Advisory Group (DoD HFE TAG) Meeting 68.
- 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., Barber, D., & Teo, G.** (May, 2014). Development of a Squad Level Vocabulary for Human-Robot Interaction. Invited address at the Department of Defense Human Factors and Ergonomics Technical Advisory Group (DoD HFE TAG) Meeting 68.
- Reinerman-Jones, L. & Burke, S.** (May, 2015). Past, Present, and Future of Modelling and Simulation: A Panel Discussion. Invited panel organizer and moderator at the Department of Defense Human Factors and Ergonomics Technical Advisory Group (DoD HFE TAG) Meeting 69.
- 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-Jones, L.E. & Matthews, G.** (April, 2015). Physiological and Subjective Assessment for Training in Emergent Environments. Invited address at Human Factors in Controls (HFC) at Bergen, Norway.
- 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, OH.
- 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, OH.
- 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.
- Reinerman-Jones, L.E., Teo, G., Parchment, A.** (May, 2014). Evaluating a Situational Judgment Test for use in Multidimensional Complex Decision Making. Invited address at the Department of Defense Human Factors and Ergonomics Technical Advisory Group (DoD HFE TAG) Meeting 68.
- Teo, G., **Reinerman-Jones, L., & Matthews, G.** (May, 2015). Augmenting Robot Behaviors Using Physiological Measures of Workload State. Invited address at the Department of Defense Human Factors and Ergonomics Technical Advisory Group (DoD HFE TAG) Meeting 69.

Refereed Posters

- Abich, J. & **Reinerman-Jones, L.** (April 2012). Physiologically Driven Robot Behavior. Florida Hospital Brain Computer Interface Conference, Orlando, FL.
- 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.
- Morrow, P. & **Reinerman-Jones, L.E.** (August, 2013). Understanding astronaut experience: interdisciplinary

integrations. Presentation at the Florida Space Institute Space Technology Conference, Orlando, FL.

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.
- Buckwalter, Sabrina. DRONE. Flimmer Films. Lauren Reinerman-Jones interviewed for the documentary in Washington D.C. in August 2013 to air in Europe and the United States in 2014.
- Calvet-Harrod, C. (April 9, 2010). 2010 Up-and-comer of the year and finalist: Lauren Reinerman-Jones. Orlando Business Journal.
- Goldberg, Wes. (January 2, 2012). Research will explore space, spirituality. Central Florida Future found at <http://www.centralfloridafuture.com/news/research-will-explore-space-spirituality-1.2683278#.Uo9dyKWv8t>.
- 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.
- Kruckemeyer, G. (Dec, 2013). Measuring awe and wonder – putting them to use. UCF Today. Found at <http://today.ucf.edu/measuring-awe-and-wonder-and-putting-them-to-use/>.
- 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.
- Stern, J. Spotlight Radio Presents Doctors **Lauren Reinerman-Jones, L.** and Shumaker, R. Interviewed in Orlando, FL and aired live in New York City, NY, and Miami, FL on November 14, 2013. Also found at <http://spotlitteradio.com/wp-content/uploads/2013/11/Kincaid11.14.mp3>.

NUREGs

Reinerman-Jones, L., Guznov, S. Tyson, J., D'Agostino, A., & Hughes, N. (2015). Workload, Situation Awareness, and Teamwork. Contract JCN#6768.

Organized Conferences and Workshops

A Scientific Workshop for Addressing Communications in HRI (2010).
First International Conference of Exploring Awe and Wonder (September, 2013).

Dissertation Titles

Chair

- Harris, J. (Expected Summer, 2017). Physiological Models of Nuclear Power Plant Operations Between Display Designs. Industrial Engineering and Management Systems, University of Central Florida.
- Hudson, I. (Expected Spring, 2017). Predicting Decision Making Performance from a Short Battery of Tasks. Modeling and Simulation, University of Central Florida.
- Goodwin, M. (Expected Fall, 2016). Investigating the Consistency of Stress Responses in Simulated UGV Operations. Modeling and Simulation, University of Central Florida
- Descheneaux, C. (Expected Fall, 2016). Simultaneous Physiological Sensor Usability: Electroencephalogram, functional Near Infrared, Transcranial Doppler, Electrocardiogram, and Eye Tracking. Modeling and Simulation, University of Central Florida.
- Ortiz, E. (Expected Fall, 2016). Virtual Environments for Cybersecurity Training. Modeling and Simulation, University of Central Florida
- Wohleber, R. (Expected Spring, 2016). Fatigability in Unmanned Aerial Vehicle Operations. Modeling and Simulation, University of Central Florida
- Mercado, J. (Summer, 2014). Assessing the Effectiveness of Workload Measures in the Nuclear Domain. Modeling and Simulation, University of Central Florida.
- Bockleman Morrow, P. (Fall, 2013). Neurophenomenological Methods: Experiences of Earth and Space in Simulation. Modeling and Simulation, University of Central Florida.
- Abich, J. (Summer, 2013). Investigating the Universality and Comprehensive Ability of Measures to Assess the State of Workload. Modeling and Simulation, University of Central Florida.
- Barber, D. (Fall, 2012). Investigation of Tactile Displays for Robot to Human Communication. Modeling and Simulation, University of Central Florida.

Co-Chair or Committee Member

Lerma, N. (Fall 2015). An Investigation of Physiological Measures in Marketing Decision Task. Industrial Engineering and Management Systems, University of Central Florida.

- Teo, G. (Fall, 2015). Human-Robot Teaming Using a Closed-Loop System. Human Factors Psychology, University of Central Florida.
- O'Connell, M. (Fall, 2015). Integration of Multidimensional Signal Detection Theory with Fuzzy Signal Detection Theory. Human Factors Psychology, University of Central Florida.
- Salcedo, J. (Summer 2014). Modeling and Simulation, University of Central Florida.
- Rusnock, C. (Summer, 2013). Simulation-based Cognitive Workload Modeling and Evaluation of Adaptive Automation Invoking and Revoking Strategies. Industrial Engineering and Management Systems, University of Central Florida.
- Jiang, H. (Summer, 2013). Development of a System Dynamics Model to Facilitate the U.S. Navy MANPOWER Cost Estimation and Trade-off Analysis with Technology. Modeling and Simulation, University of Central Florida.
- Schaefer, K. (Summer, 2013). The Perception and Measurement of Human-Robot Trust. Modeling and Simulation, University of Central Florida.
- Richardson, X. (Summer, 2012). Evaluating Human-Robot Communication through Human-Human Implicit Communication. Industrial Engineering and Management Systems, University of Central Florida.
- Taylor, G. (Spring, 2012). Comparing Types of Adaptive Automation within a Multi-tasking Environment. Human Factors Psychology, University of Central Florida.

Courses Taught

Introduction to Psychology 101
 Introduction to Psychology 102
 Human Sexuality
 Psychology of Self
 Psychology of Adjustment
 Research Methods in Personality and Clinical Psychology
 Effects of Drugs on Behavior-Online
 Human-Computer Interaction-Mixed Mode
 Human-Computer Interaction-Online

Other Honors, Awards, and Service

- Invited to serve on the Black-on-Black Crime, Poverty Sub-Committee for Orlando City Commissioner Regina Hill.
- Presidential Early Career Award for Scientists and Engineers (PECASE) nominee by the U.S. Navy.
- 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, 2015.
- 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 1st 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, Clean the World, and Pet Alliance.
- Long time donor to the Cincinnati SPCA and St. Jude Children's Medical Research.
- Mentor people who are in transition or are seeking new direction for their career.