

Theresa T. Kessler

Curriculum Vitae

EDUCATION

- In Progress: **PhD, Human Factors and Cognitive Psychology**
 Focus - Cognitive Neuroscience
University of Central Florida, Orlando, Florida
- 2017: **Masters of Science, Modeling and Simulation**
University of Central Florida, Orlando, Florida
- 2013: **Bachelor of Science, Psychology, Honors**
University of Central Florida, Orlando, Florida
GPA/Psychology GPA, 3.92/3.98
Honors Thesis: Social Networking and Users: The Interaction of Personality
and Motivation for Facebook Posting.
- 2001: **Bachelor of Science, Marketing**
Nicholls State University, Thibodaux, Louisiana
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AWARDS

United States Air Force Graduate Fellow

ORGANIZATION MEMBERSHIPS

Psychonomic Society, Student Member	2016 - Present
Human Factors and Ergonomics Society, Student Member	2014 – Present
American Psychological Association, Student Member	2014 – 2016
Human Factors and Ergonomics Society, Student Chapter Outreach Officer	2015

GRANTS

Completed Applications

National Institute of Health: Ruth L. Kirschstein National Research Service Award (NRSA)
Individual Predoctoral Fellowship (Parent F31), Applied August 2017.

PUBLICATIONS

Peer Reviewed Journal Publications

Kessler, T., MacArthur, K.R., & Hancock, P.A. (In Preparation). Mediators of trust in human robot interaction.

Technical Reports

Sanders, T.L., Oppold, P., Schafer, K., **Kessler, T.**, Chen, J.Y.C., & Hancock, P.A. (Under Review). Transparency and trust in human robot interactions. (Technical Report ARL-TR). Orlando, Army Research Laboratory.

Conference Proceedings

Kessler, T., Stowers, K., Brill, J.C., & Hancock, P.A. (October, 2017). Comparisons of human-human trust with other forms of human-technology trust. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*.

Hancock, P.A., Stowers, K.L., & **Kessler, T.** (2017, March) *Can you trust your robot?* Paper presented at the Inter-Disciplinary Conference on Human Performance. Port St. Lucie, FL.

Kessler, T., Larios, C., Walker, T., Yerdon, V., & Hancock, P.A. (2016, July). A comparison of trust measures in human robot interaction scenarios. In *Proceedings of the 7th Annual International Conference on Applied Human Factors and Ergonomics*. Orlando, Florida. July, 2016, 353-364.

Sanders, T., Harpold, B., **Kessler, T.**, & Hancock, P. A. (2015, August). Interpersonal distance effects on trust relationships in human-robot interaction. In *Proceedings 19th Triennial Congress of the IEA* (Vol. 9, p. 14).

Sanders, T., Oppold, P., Schafer, K.E., **Kessler, T.**, Hancock, P.A., & Chen, J.Y.C. (2015, August). The influence of system transparency on user stress levels. In *Proceedings 19th Triennial Congress of the IEA* (Vol. 9, p. 14).

Schafer, K.E., Sanders, T., **Kessler, T.**, Dunfee, M., Wild, T., & Hancock, P.A. (2015). Fidelity and validity in robotic simulation. In: *Proceedings of the IEEE International Multi-Disciplinary Conference on Cognitive Methods in Situation Awareness and Decision Support (CogSIMA)*, 113-118.

Sanders, T. L., Volante, W., Stowers, K., **Kessler, T.**, Gabracht, K., Harpold, B., & Hancock, P. A. (2015, September). The influence of robot form on trust. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 59, No. 1, pp. 1510-1514). SAGE Publications.

Undergraduate Thesis

Kessler, T. (2013) Social networking and users: The interaction of personality and motivation for Facebook posting. *Undergraduate Thesis*. University of Central Florida.

PRESENTATIONS

Posters

- Hancock, P.A., Kaplan, A.D., Stowers, K., **Kessler, T.**, Sanders, T., Volante, W., MacArthur, K.M., & Brill, J.C. (May, 2017). *Trust in automation and autonomy: A growing challenge for aviation operations*. Presented at International Symposium on Aviation Psychology 19th Annual Meeting, Dayton, Ohio.
- Kessler, T.**, MacArthur, K.R., Trujillo-Silva, M., MacGillivray, T.G., Ripa, C., & Hancock, P.A. (November, 2016). *The effects of planned versus unplanned malfunctions on trust in human-robot interaction*. Presented at Psychonomic Society 57th Annual Meeting, Boston, Massachusetts.
- Hancock, P.A., **Kessler, T.**, MacArthur, K.R., & Stowers, K. (January, 2016). *Trust in human-robot interactions: Current findings and future investigations*. Poster presented at the annual RMB meeting for the Robotics Collaborative Technology Alliance.
- Kessler, T.**, Schafer, K.E., & Szalma, J. (2015, August) *Life aspirations and their connections to Facebook posting*. Poster presented at the American Psychological Association 123rd Annual Convention, Washington D.C., (National).
- Hancock, P.A., **Kessler, T.**, & Chen, J.Y.C., (2015, May). *Human robot interaction: Level of information, malfunction, autonomy, and transparency effects on trust*. Poster presented at the Annual Primary Investigator Meeting for the Robotics Collaborative Technology Alliance.
- Hancock, P.A., Sanders, T.L., **Kessler, T.**, & Stowers, K., (2015, May). *Examinations of interpersonal distance and trust in human robot interaction*. Poster presented at the Annual Primary Investigator Meeting for the Robotics Collaborative Technology Alliance.
- Kessler, T.**, Sanders, T.L., Chen, J.Y.C., Hancock, P.A. (2015, April). *Robot autonomy and malfunction effects on trust during human-robot interaction*. Poster presented at Human Factors and Applied Psychology student conference. Embry-Riddle, Daytona Beach, FL. (Regional).
- Walker, T., **Kessler, T.**, Sanders, T.L., Wild, T., Hancock, P.A. (2015, April). *Establishing trust in human-robot interaction: The significance of social and personal distance*. Poster presented at Human Factors and Applied Psychology student conference. Embry-Riddle, Daytona Beach, FL. (Regional).
- Kessler, T.**, Szalma, J., Hancock, P.A., & Sanders, T.L. (2014, August) *Social networking and users: The interaction of personality and motivation for Facebook posting*. Poster presented at American Psychological Association 122nd Annual Convention, Washington D.C., (National).

RESEARCH EXPERIENCE

Air Force Research Laboratories, Orlando, FL

01/2017 – Present

Supervisor: John Chris Brill, Ph.D.

Graduate Researcher

Research examines trust in multiple types of interactions. Main body of work concerns a developing a model of human-human trust to compare to existing human-robot and human-automation trust models.

**Minds in Technology, Machines in Thought Laboratory (MIT²),
University of Central Florida, Orlando, FL** **01/2013 – Present**

Director: Peter A. Hancock, D.Sc., Ph.D.

Research Assistant

Research examines human trust in robotics in the context of military undertakings. Involved in all aspects of project conceptualization, research design, IRB preparation and submission, data collection and analyses, interpretation of results. Responsible for the hiring, supervising, and training of undergraduate research assistants.

**Team Performance Laboratory (TPL), Institute for Simulation
and Training, University of Central Florida, Orlando Florida** **08/2016-12/2016**

Director: Florian Jentsch, Ph.D.

Research Assistant

Research examined situation awareness in the context of warfighter situations. Involved in proposal development of experimental methods, IRB preparation and submission.

Burnett Honors College, University of Central Florida, Orlando, FL **05/2013 – 12/2013**

Thesis Committee: Peter A. Hancock, D.Sc., Ph.D., Mustapha Mouloua, Ph.D., James Szalma, Ph.D.,
Mason Cash, Ph.D.

Honors in the Major Student

Research examined personality, aspirations, psychological needs, and motivation for posting on Facebook. Responsibilities included project concept, research design, IRB preparation and submission, participant recruitment, data collection and analyses, interpretation of results, manuscript composition and publication.

Specific trainings and competencies: SONA Experiment Management System.

Cardiovascular Institute of the South, Houma, LA **04/2002 – 10/2002**

Supervisor: Joey Fontenot, COO

Research Assistant

Research examined effects of investigational pharmaceuticals. Responsibilities included chart review, identifying eligible patients, appointment management, EKG, phlebotomy, blood processing, patient follow up, and reporting to pharmaceutical companies.

PROFESSIONAL SERVICES

Mentor-Mentee Luncheon Event **09/2016 – Present**

Supervisor: Haydee Quevas

Registration System Designer/Manager

Develop and implement internet based system for mentors and mentees to register and manage preferences for the annual mentor-mentee luncheon at the Human Factors and Ergonomics Conference.

Human Factors and Ergonomics Society Student Chapter **12/2014 – 12/2015**

Supervisor: Gabrielle Hancock

Outreach Officer

Contacted schools and organizations within the UCF community to set up informational talks for prospective students on what Human Factors is and what someone can do with a degree in the field. Spoke to high school engineering students in their classrooms as well as several upper level psychology students as a portion of their lecture. Participated in planning fund raisers for the organization.

OTHER WORK EXPERIENCE

Chanel, Orlando, FL **08/2012 – 12/2015**

Supervisor: Wendy Folce, Account Executive

Makeup Artist/Fragrance Specialist

Travel to stores in the region as visiting makeup artist. Skincare and makeup consultation and application. Sales, client development, and client relations. Staff training.

House of Hope, Orlando, FL **08/2012 – 12/2012**

Supervisor: Margaret Stokes

Intern

Assist staff and residents in daily activities. Tutor students. Coordinate and supervise girl's physical education classes. Assist in fundraising/event planning.

Dillard's, Orlando, FL/New Orleans, LA **04/2003 – 08/2012**

Supervisor: Sheila Morris, Store Manager

Department Manager/Business Manager/Sales

Managed 25+ cosmetic/fragrance lines. Oversaw 11 managers and 70 employees. Business development, recruiting, hiring, training, and education of employees. Special event development, coordination, and implementation. Responsible for day-to-day store operations, staff time management, scheduling, client services, merchandising, markdowns, and vendor relations. Client services, makeovers, sales, follow up services.

AFLAC, Kenner, LA **10/2002 – 04/2003**

Supervisor: Scott Martina, District Sales Coordinator

Independent Sales Agent

Client recruitment, product sales, client development.

Cardiovascular Institute of the South, Houma, LA **04/2002 – 10/2002**

Supervisor: Joey Fontenot, COO

Research Assistant

Research examined effects of investigational pharmaceuticals. Responsibilities included chart review, identifying eligible patients, appointment management, EKG, phlebotomy, blood processing, patient follow up, and reporting to pharmaceutical companies.

Industrial Safety and Rehabilitation Institute, Houma, LA **01/2001 – 04/2002**

Supervisor: Ellen Bunch, President

Personal Assistant

Assisted in daily operations, filing, faxing, answering phones, organization, and travel for business needs.

INSTRUCTOR OF RECORD EXPERIENCE

EXP 3604 Cognitive Psychology: **Fall, 2017**

GRADUATE TEACHING ASSISTANTSHIP EXPERIENCE

PSY3213C Research Methods in Psychology, Laboratory Instructor: **Fall, 2014, Spring, 2015, Summer, 2015,**

EXP3404C Basic Learning Processes: **Summer, 2015**

PSY2012 General Psychology: **Fall, 2015, Spring, 2016, Summer, 2016**

EXP3604C Cognitive Psychology: **Spring, 2016, Spring 2017**

PSB3002 Physiological Psychology: **Fall, 2016**

Sona Systems Research Summary Guide/Grader: **Fall, 2015, Spring, 2016, Summer, 2016, Fall, 2016**

EXP3204 Perception: **Spring, 2017**

UNDERGRADUATE TEACHING ASSISTANTSHIP EXPERIENCE

EXP3404C	Basic Learning Processes, University of Central Florida	Fall, 2013
PSY3204C	Statistical Methods in Psychology, University of Central Florida	Summer, 2013

HONORS

Undergraduate Career

President's List	University of Central Florida	5 Semesters
Dean's List	University of Central Florida	2 Semesters
President's List	Nicholls State University	1 Semester

Dean's List

Nicholls State University

6 Semesters

VOLUNTEER WORK

Reach/Team Spirit, Houma, LA	1995, 1996, 1997, 1998
Walt Disney World, College Recruiting, Thibodaux, LA	2001, 2002, 2003, 2004, 2005
House of Hope, Orlando, FL	January 2013
Human Factors and Ergonomics Society Annual Meeting	2015, 2016, 2017
Human Factors and Ergonomics Society Student Chapter, Outreach Officer	2015
Applied Human Factors and Ergonomics International Conference	July, 2016