

# Keith Reid MacArthur

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## Education

- 2016 **Ph.D. Student**, *Minds in Technology – Machines in Thought Laboratory*, Institute for Simulation & Training, University of Central Florida, Orlando, Florida, Expected 2021.
- 2017 **Graduate Certificate**, in *Design Usability*, University of Central Florida, Orlando, Florida, Expected 2021.
- 2017 **Certificate**, in *Grantsmanship*, University of Central Florida, Orlando, Florida.
- 2012 **B.Sc., Psychology**, with *Honors in the Major*, University of Central Florida, Orlando, Florida.
- 2004 **Associates in Arts**, with *Honors*, Eastern Florida State College, Cocoa, Florida.
- 2013 **CITI Certified**, in Conflict of Interest, Group 2. Social/Behavioral Research Investigators and Key Personnel, Social and Behavioral Conduct of Research, and Department of Navy Supported Extramural Performers modules.

## Honors & Awards

- 2014 **Group Travel Grant**, *UCF's Office of Undergraduate Research*, \$1,014.
- 2014 **Group Travel Grant**, *UCF's Student Government Association*, \$1,500.
- 2014 **Group Travel Grant**, *UCF's Burnett Honors College*, \$250.
- 2014 **Graduate Presentation Fellowship**, *UCF's College of Graduate Studies*, \$500.

## Grants

### Submitted

- 2014 **Fellowship**, *National Science Foundation Graduate Research Fellowship*.

### Awarded

- 2014 **Scholarship**, *UCF's Honors in the Major Scholarship*, \$1,000.
- 2014 **Fellowship**, *UCF's Office of Research and Commercialization Doctoral Fellowship*, \$81,055.

## Teaching Experience

- 2013 **Undergraduate Teaching Assistant**, *Science and Pseudoscience in Psychology*, University of Central Florida, Orlando, Florida, Dr. G. M. Hancock.

## Professional Affiliation

- 2007 **Psi Beta National Honor Society in Psychology for Community & Junior Colleges**.
- 2012 **American Psychological Association Graduate Student Affiliate**.
- 2013 **Golden Key International Honors Society**.
- 2013 **Psi Chi International Honor Society**.
- 2013 **Phi Kappa Phi Honors Society**.
- 2013 **Burnett Honors College Of the University of Central Florida**.
- 2016 **Human Factors and Ergonomics Society**.

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2016

The National Center for Simulation.

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2017

UCF's Institutional Review Board, *Alternate Member*.

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## Citations

### Refereed

Hancock, P. A., Kaplan, A. D., Cruit, J., Hancock, G. M., **MacArthur, K. R.**, and Szalma, J. L. (Submitted). A meta-analysis of flow effects on the perception of time. *Journal of Personality and Social Psychology*.

**MacArthur, K. R.**, Hancock, G. M., and Sawyer, B. D. (2015, August). Deindividuation of drivers: Is everyone else a bad driver? In *proceedings of the 19th Triennial Congress of the IEA, Melbourne, Australia* (p. 282). ([Paper](#))

### Paper

#### Presentations

Sanders, T. L., **MacArthur, K. R.**, Volante, W., Hancock, G. M., MacGillivray, T., Shugars, W. T., and Hancock, P. A. (2017, October). *Trust and prior experience in human-robot interaction*. Presented at the 2017 Human Factors and Ergonomics Society annual meeting, Austin, Texas. ([Program](#))

**MacArthur, K. R.**, Stowers, K., and Hancock, P. A. (2017, July). Human-robot interaction: Proximity and speed—slowly back away from the robot! In P. Savage-Knepshield and J. Chen (Eds.), *Advances in human factors in robots and unmanned systems: Proceedings of the AHFE 2016 international conference on human factors, July 27-31, 2016* (pp. 365–374). Walt Disney World, Florida, USA: Springer International Publishing. ([Paper](#))

### Poster

#### Presentations

**MacArthur, K. R.**, Shugars, W. T., Sanders, T. L., and Hancock, P. A. (2017, August). *Effects of anthropomorphism on trust in human-robot interaction*. Poster presented at the 125th annual meeting of the American Psychological Association, Washington, D. C. ([Abstract Only](#))

Hancock, P. A., Kaplan, A. D., Stowers, K., Kessler, T., Sanders, T. L., Volante, W., ... Brill, J. C. (2017, May). *Trust in automation and autonomy: A growing challenge for aviation operations*. Poster presented at the 19th annual meeting of International Symposium on Aviation Psychology, Dayton, OH. ([Program](#))

Kessler, T., **MacArthur, K. R.**, Trujillo-Silva, M., MacGillivray, T. G., Ripa, C., and Hancock, P. A. (2016, November). *Perceptions of planned versus unplanned malfunctions: A human-robot interaction scenario*. Poster presented at the 57th annual meeting of the Psychonomic Society, Boston, MA. ([Abstract Only](#))

MacGillivray, T. G., Parkhurst, E. L., **MacArthur, K. R.**, and Hancock, P. A. (2016, April). *Human-robot versus human-human relationship impact on comfort levels regarding in home privacy*. Poster presented at the 10th annual Human Factors and Applied Psychology student conference, Daytona Beach, FL. ([Abstract Only](#))

Hancock, P. A., Kessler, T., **MacArthur, K. R.**, and Stowers, K. (2016, January). *H1.3 trust in human-robot interaction: Current findings and future investigations*. Poster presented at the annual Research Management Board meeting of the Army Research Laboratories: Robotics Collaboration Technological Alliance, Aberdeen, MD.

Hancock, P. A., Sanders, T. L., Kessler, T., Volante, W., and **MacArthur, K. R.** (2015, May). *Who will fly in the future: The human role in automated flight spaces*. Poster presented at the 86th annual meeting of the Aerospace Medical Association, Lake Buena Vista, FL.

**MacArthur, K. R.**, Fund, I., Siler, J., Hancock, G. M., and Mouloua, M. (2014, March). *Validating the continuum mysteriosum*. Poster presented at the 60th annual meeting of the Southeastern Psychological Association, Nashville, TN. ([Paper](#))

**MacArthur, K. R.** (2014a, April). *Deindividuation of drivers: Are we individuals?* Poster presented at the 11th annual Showcase of Undergraduate Research Excellence, Orlando, FL.

**MacArthur, K. R.**, Greenstein, S., Sawyer, B. D., and Hancock, P. A. (2014a, April). *Mastering google glass*. Poster presented at the 8th annual Human Factors and Applied Psychology student conference, Daytona Beach, FL. (Abstract Only)

**MacArthur, K. R.**, Greenstein, S., Sawyer, B. D., and Hancock, P. A. (2014b, August). *Psum: Training in google glass and android*. Poster presented at the 122nd annual meeting of the American Psychological Association, Washington D.C. ([Abstract Only](#))

**Thesis**

**MacArthur, K. R.** (2014b). *Deindividuation of drivers: Is everyone else a bad driver?* University of Central Florida, Orlando, FL. ([Unpublished undergraduate honors thesis](#))