CREATE is a multidisciplinary and collaborative center founded in 1999. It is dedicated to ensure that the benefits of technology can be realized by older adults to support and enhance the independence, productivity, health, safety, social connectedness and quality of life of older people. CREATE’s directive is to ensure that older adults can successfully use technology and realize the potential benefits of technology. Our objectives are to expand our understanding of:

1. the needs and preferences of older adults with respect to technology, barriers to access, and problems with existing and emerging systems;
2. how person characteristics influence person/technology interactions;
3. design strategies that promote successful technology uptake; and
4. how access to and interactions with technology impact on the health, quality of life and independence of older adults.

CREATE represents a consortium of five universities:

- Weill Cornell Medicine
- University of Miami
- Florida State University
- Georgia Institute of Technology
- University of Illinois Urbana-Champaign
CREATE CV – Table of Contents

CREATE Publications

Journal Publications

Book Series

Other Books

Book Chapters

Other Publications (e.g., proceedings, newsletter, abstract)

CREATE Resources

Technical Reports

Additional Resources

Design Tools

Survey Instruments


Czaja, S. J. (2019). Usability of technology for older adults: Where are we and where do we need to be? Journal of Usability Studies, 14, 61-64.


**Book Series**


**Other Books**


**Book Chapters**


Vaarama, & J. L. Fozard (Eds.), *Gerontechnology: Technology and aging - Starting into the third millennium* (pp. 54-61). Aachen: Shaker Verlag.


**Other Publications (e.g., proceedings, newsletter, abstract)**


**Ergonomics Association and the 44th Annual Meeting of the Human Factors and Ergonomics Society (pp 4-60 – 4-63).** Santa Monica, CA: Human Factors and Ergonomics Society.


**CREATE Resources**

**Technical Reports**

Mitzner, T. L., Bixter, M. T., & Rogers, W. A. (2016). *Qualitative Research Procedures in the Human Factors and Aging Laboratory* (HFA-TR-1601). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.


Olson, K. E., Prakash, A., & Rogers, W. A. (2013). *Analyzing data from likert scales, likert-type scales, and likert-type items.* (HFA-TR-1303). Atlanta, GA: Georgia Institute of Technology, School of Psychology, Human Factors and Aging Laboratory.


**Additional Resources**

To access resources, visit [http://create-center.org/resources](http://create-center.org/resources)

**Design Tools**

- **FITTS' Law Calculator** estimates the time for younger and older adults to move a limb to a target. It provides several estimates based on different Fitts' Law formulas.

- The **GOMS Spreadsheet** shows calculations for a Goals, Operators, Methods, Selection rules (GOMS) model of code key entry that was part of the tutorial in the CREATE primer "Designing for Older Adults, second edition."

**Survey Instruments**

- The **Computer Proficiency Questionnaire** measures computer proficiency in multiple domains for a wide range of users. There are both shortened and full versions of this questionnaire.

- The **Mobile Device Proficiency Questionnaire** measures mobile device proficiency in multiple domains for a wide range of users. There are both shortened and full versions of this questionnaire.