BIOGRAPHICAL SKETCH

Jeffrey C. Carver

Department of Computer Science

University of Alabama

Tuscaloosa, AL

PROFESSIONAL PREPARATION

Louisiana State University Computer Science B.S. 1997

University of Maryland, College Park Computer Science Ph.D. 2003

University of Maryland, College Park Computer Science 2003-2004 (postdoc)

# APPOINTMENTS

2017 – present Professor, University of Alabama

2012 – 2017 Associate Professor, University of Alabama

2008 – 2012 Assistant Professor, University of Alabama

2006 – 2009 Visiting Scientist, Software Engineering Institute, CMU

2004 – 2008 Assistant Professor, Mississippi State University

2003 – 2004 Faculty Research Associate, University of Maryland, College Park

# FIVE RELATED PRODUCTS

1. Al-Zubidy, A. and **Carver, J.** "Identification and Prioritization of SLR Search Tool Requirements: An SLR and a Survey." *Empirical Software Engineering*. 24(1):139-169. Feb. 2019
2. Al-Zubidy, A., **Carver, J.**, Hale, D., and Hassler, E. "Vision for SLR tooling infrastructure: Prioritizing value-added requirements." *Information and Software Technology*. Vol 91. pp. 72-81.. Nov. 2017.
3. Hassler, E., Carver, J., Hale, D., Al-Zubidy, A. "Identification of SLR tool needs – results of a community workshop." *Information and Software Technology*, Vol. 70, pp. 122-129
4. Carver, J.C., Hassler, E., Hernandes, E. and Kraft, N.A. "Identifying Barriers to the Systematic Literature Review Process." *Proceedings of the 2013 International Symposium on Empirical Software Engineering and Measurement*. Oct. 10-11, Baltimore, MD. p. 203-212.
5. Hassler, E., Carver, J., Kraft, N., and Hale, D. "Outcomes of a Community Workshop to Identify and Rank Barriers to the Systematic Literature Review Process." *18th International Conference on Evaluation and Assessment in Software Engineering*. May 13-14, 2014. London, UK.

# FIVE SELECTED PRODUCTS

1. Bosu, A., **Carver, J.**, Bird, C., Orbeck, J., and Chockley, C. “Process Aspects and Social Dynamics of Contemporary Code Review: Insights from Open Source Development and Industrial Practice at Microsoft.” *IEEE Transactions on Software Engineering.* 43(1):56-75. January 2017.
2. Williams, B. and Carver, J. "Characterizing Software Architecture Changes: A Systematic Review." *Information and Software Technology*. 52(1): 31-51. Jan. 2010. DOI: 10.1007/s10664-012-9223-y.
3. Melo, S., **Carver, J.**, Souza, P., and Souza, S. "Empirical research on concurrent software testing: A systematic mapping study". *Information and Software Technology.* Online First.
4. Theisen, C., Munaiah, N., Al-Zyoud, M. **Carver, J.**, Meneely, A., and Williams, L. "Attack Surface Definitions: A Systematic Literature Review." *Information and Software Technology*. Online First.
5. Walia, G. and Carver, J. “A Systematic Literature Review to Identify and Classify Software Requirements Errors.” *Information and Software Technology*. 51(7):1087-1109. Nov/Dec 2009.

# SYNERGISTIC ACTIVITIES

* **Editorial Board**, *IEEE Transactions on Software Engineering*, *Empirical Software Engineering, Information & Software Technology, Software Quality Journal, IEEE Software*
* **Associate Editor-in-Chief**: *Computing in Science & Engineering*
* **Organizer**: Workshop series entitled “International Workshop on Software Engineering for Science” (2008-2011, 2013-2019)
* **Program Committee:** International Symposium on Empirical Software Engineering and Measurement (2007-2019)
* **Co-Program Chair:** 2016 International Symposium on Empirical Software Engineering and Measurement