
Katherine Carl, Ph.D.
Assistant Professor
Computer Information and Decision Management
College of Business
kcarl@wtamu.edu

Academic Background

Ph.D. University of Arizona, Tucson, Arizona, Management Information Systems (Computer Science Emphasis), 2014.

B.A. Illinois Wesleyan University, Bloomington, Illinois, English Literature (Computer Science, Russian Language & Literature Emphasis), 2008.

Work Experience

Academic Experience

Assistant Professor of Computer Information Systems, West Texas A&M University (2018 - Present), Canyon, Texas.

Assistant Professor of Computer Information Systems, University of Incarnate Word (2017 - 2018), San Antonio, Texas.

Assistant Professor of Management Information Systems, Brigham Young University (2015 - 2017), Provo, Utah.

Instructor and Graduate Teaching Associate of Management Information Systems, University of Arizona (2009 - 2014), Tucson, Arizona.

Teaching Assistant, Illinois Wesleyan University (2005 - 2008), Bloomington, Illinois.

Intellectual Contributions:

Refereed Articles

Payne, K., Giboney, J., Schuetzler, R., & Keith, M. (2017). Examining the learning effects of live streaming video game instruction over Twitch. *Computers in Human Behavior*, 77 (1), 95-109.

Payne, K., & Dror, M. (2015). Construction of topographical road graph for bicycle tour routes. *Sports Technology*, 8 (1), 1-11.

Payne, K., & Dror, M. (2015). Multi-day bicycle tour route generation. *Journal of Quantitative Analysis in Sports*, 11 (2), 85-96.

Payne, K., Brown, S., Dror, M., & Durcikova, A. (2013). Bicycle tours: Modeling the perceived exertion of a path. *Journal of Quantitative Analysis in Sports*, 9 (2), 203-216.

Refereed Proceedings

Full Paper

Payne, K. C., Babb, J., & Abdullat, A. (2018). Reflections on Applying the Growth Mindset Approach to Computer Programming Courses. EDSIGCON.

Payne, K. C., Babb, J., & Abdullat, A. (2018). Reflections on Applying the Growth Mindset Approach to Computer Programming Courses. EDSIGCON, 4 (4641), 1-11.

Payne, K. C., Keith, M. J., Babb, J., & Spruill, A. N. (2018). Development and Validation of the Information Systems Creative-Self-Efficacy Scale. Hawaii International Conference on System Sciences (HICSS).

Payne, K. C., Keith, M. J., Babb, J., & Spruill, A. N. (2018). Development and Validation of the Information Systems Creative-Self-Efficacy Scale. Hawaii International Conference on System Sciences (HICSS), 51, 124-133.

Payne, K. C., & Dror, M. (2017). The development of a Smart Map for minimum 'exertion' routing applications. Hawaii International Conference on System Sciences (HICSS).

Gaskin, J., Jenkins, J., Meservy, T., Steffen, J., & Payne, K. (2017). Beyond perceptual measures: Non-invasive, inexpensive physiological data collections. Hawaii International Conference on System Sciences (HICSS).

Payne, K. C., & Dror, M. (2017). The development of a Smart Map for minimum 'exertion' routing applications. Hawaii International Conference on System Sciences (HICSS).

Keith, M., Anderson, G., Dean, D., Gaskin, J., Wiser, T., Seth Gremmert, Katherine Carl Payne (2016). The effects of video gaming on work group performance. International Conference on Information Systems (ICIS).

Humpherys, S. L., & Carl, K. (2010). Disfluency rate as a paralinguistic cue to deception among native and nonnative English speakers. Hawaii International Conference on System Sciences (HICSS).

Presentation of Refereed Papers

International

Payne, K. C., Keith, M. J., Babb, J., & Spruill, A. N. (2018). Development and Validation of the Information Systems Creative-Self-Efficacy Scale. Hawaii International Conference on System Sciences (HICSS), Waikoloa, Hawaii.

Payne, K. C. & Dror, M. (2017). The development of a Smart Map for minimum 'exertion' routing applications. Hawaii International Conference on System Sciences (HICSS), Waikoloa, Hawaii.

National

Payne, K. C., Babb, J., & Abdullat, A. (2018). Reflections on Applying the Growth Mindset Approach to Computer Programming Courses. EDSIGCON, Norfolk, Virginia.

Presentation of Non-Refereed Papers

International

Payne, K. C. & Dror, M. (2013). GIS-based construction of a topographical road graph for bicycle tour routes. Invited presentation at INFORMS Annual Meeting, Minneapolis, Minnesota.

Carl, K. E. & Dror, M. (2012). Bicycle tours: modeling the perceived exertion of a daily path. Invited presentation at INFORMS Annual Meeting, Phoenix, Arizona.

Local

Carl, K. E. & Dror, M. (2012). Bicycle tours: perceived exertion of a daily path. Invited presentation at University of Arizona MIS Department Speaker Series, Tucson, Arizona.

Carl, K. E. & Dror, M. (2011). Bicycle tours: perceived exertion of a daily path. Graduate and Professional Student Council Showcase, Tucson, Arizona.

State

Payne, K. C. & Dror, M. (2015). Bicycle tours: perceived exertion of a daily path. Invited presentation at Brigham Young University Statistics Department Symposium, Provo, Utah.

Payne, K. C. & Dror, M. (2013). GIS-based construction of a topographical road graph for bicycle tour routes. Invited presentation at Information Systems Research Symposium at Brigham Young University, Provo, Utah.

Research Grants

Funded

2013: Carl, K. & Dror, M., Tech Launch Arizona Proof of Concept Program Award, Co-Principal Investigator.

Service:

Service to the University

Department Assignments

Faculty Advisor:

2019-2020: Upward Bound Camp with WTAMU Undergraduate Student Leaders

Faculty Sponsor:

2019-2020: BuffTeks

Department Assignments

Member:

2014-2015 – 2016-2017: Undergraduate Student Recruiting Committee Member

2014-2015 – 2016-2017: BSIS Admissions Committee

Department Assignments

Other Institutional Service Activities:

2018-2019: CIDM Greenlighting Party - Fall

College Assignments

Member:

2018-2019: Curriculum Committee

College Assignments

Other Institutional Service Activities:

2018-2019: Undergraduate Online Group

2018-2019: New Student Orientation (NSO) - Summer

Writing Student Recommendations:

2018-2019: Adobe Research Women-in-Technology Scholarship

College Assignments

Writing Student Recommendations:

2017-2018: HOPE Scholarship

College Assignments

Writing Student Recommendations:

2016-2017: Hispanic Scholarship Fund

College Assignments

Writing Student Recommendations:

2018-2019: Study Abroad Program in Scandinavia

2018-2019: MIT Master's Program

College Assignments

Member:

2017-2018: MBA Task Force

2017-2018: International Technology Committee

University Assignments

Faculty Advisor:

2018-2019: Advising Faculty Fellow

University Assignments

Faculty Sponsor:

2017-2018: UIW Gaming Club

University Assignments

Member:

2015-2016 – 2016-2017: Faculty Women's Association

University Assignments

Other Institutional Service Activities:

2019-2020: Transfer Student Orientation (TSO) - Spring

2019-2020: Campus Greeter

2018-2019: WT Etiquette Dinner

2018-2019: WT Transfer Fair at Amarillo College - Fall

Service to the Profession

Academic Conference: Panelist

2018: EDSIGCON.

Reviewer - Article / Manuscript

2018: Review of Managerial Science.

2018: MIS Quarterly.

Reviewer: Conference Paper

2019: European Conference on Information Systems.

2018: International Conference on Information Systems (ICIS).

2018: EDSIGCON.

2010 – 2018: Hawaii International Conference on System Sciences (HICSS).

2017: Decision Science Institute.

Memberships

CompTIA Association of IT Professionals, 2018

Association for Information Systems, 2010 - 2014

INFORMS, 2010 - 2014

Honors-Awards-Grants

Award

2011: 1st Place in Business and Public Administration Category Graduate & Professional Student Council Showcase, University of Arizona.

2011: Outstanding Graduate Teaching Associate, University of Arizona.

2011: James F. LaSalle Teaching Award, University of Arizona.

2010: Graduate and Professional Student Council Showcase Winner, University of Arizona.

2010: Eller College Award for Teaching Excellence, University of Arizona.

Scholarship

2012: Dwight D. Eisenhower Transportation Fellowship Award, Transportation Research Board.

2008: Science Foundation Arizona Fellowship Award, Science Foundation Arizona.

Courses Taught

Courses taught, but not in the Schedule:

CIDM 2315: Programming Business Applications

CIDM 4382: Back-end Web Development

CIDM 6311: Social Networks and Media Analysis

CIDM 6350: Data and Information Management
