How Trust Influences Adoption: Creating Human-Centered Autonomous Vehicles

David R. Garcia
University of Central Florida, david.garcia@ucf.edu

Follow this and additional works at: http://commons.erau.edu/hfap

Part of the Cognition and Perception Commons, Cognitive Psychology Commons, Ergonomics Commons, and the Other Psychology Commons

http://commons.erau.edu/hfap/hfap-2016/posters/33

This Poster is brought to you for free and open access by the Human Factors and Applied Psychology Student Conference at ERAU Scholarly Commons. It has been accepted for inclusion in Human Factors and Applied Psychology Student Conference by an authorized administrator of ERAU Scholarly Commons. For more information, please contact commons@erau.edu.
How Trust Influences Adoption: Creating Human-Centered Autonomous Vehicles

David R. Garcia
University of Central Florida

As vehicle manufacturers race to create consumer vehicles with autonomous features, there are many human factors issues that must be addressed. Namely, issues that contribute to how humans trust vehicles with autonomous features, and how this trust relates to the adoption of these types of vehicles. Choi & Ji (2015) identified the need to further research the roles system transparency, technical competence, and situation management play on trust towards autonomous vehicles (AVs). This presentation aims at examining the current research on AVs and to provide recommendations for creating human-centered AVs based on principles such as personality, anthropomorphism, and auditory feedback.