User Acceptance of Smart Mobile Resources in Vehicular Technologies Based Upon User Experience and Comfortability: A Research Review

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Abstract

As society evolves to encompass new formats of mobile technologies. It can be observed in everyday resources such as vehicular mobile technologies. This is becoming increasingly evident and observable in resources such as driver assistance software, autonomous vehicles, navigation support, and driver security for accident prevention. To better understand user's willingness to accept and subsequently adopt said automotive technologies, theoretical frameworks and acceptance models such as the Technology Acceptance Model (TAM), Theory of Plan Behavior (TPB), Perceived Usefulness (PU) and Perceived Ease of Use (PEOU) were utilized and reviewed throughout various studies. The outcome suggested that the more generalized, TAM was widely utilized and accepted in terms of predicting user willingness to accept and adopt mobile technology in vehicular settings.

Keywords
Technology, Acceptance, Vehicle, User, Mobility

Biography
Munther Abualkibash is a professor and graduate coordinator within the Eastern Michigan University College of Technology. His interests and expertise include computer and network security, cloud computing, machine learning and parallel and distributed systems. He received his master's degree from the University of Bridgeport, in Bridgeport, Connecticut. There, he also earned his Ph.D. in computer science and engineering.

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