Developing and Validating an Instrument for Measuring Mobile Computing Self-Efficacy

Wang, Yi-Shun; Wang, Hsiu-Yuan

Abstract

IT-related self-efficacy has been found to have a critical influence on system use. However, traditional measures of computer self-efficacy and Internet-related self-efficacy are perceived to be inapplicable in the context of mobile computing and commerce because they are targeted primarily at either desktop computer or wire-based technology contexts. Based on previous research, this study develops and validates a multidimensional instrument for measuring mobile computing self-efficacy (MCSE). This empirically validated instrument will be useful to researchers in developing and testing the theories of mobile user behavior, and to practitioners in assessing the mobile computing self-efficacy of users and promoting the use of mobile commerce systems.