Abstract

In location based M Commerce services, the service provider provides service to mobile users like their locations with a certain level of granularity to maintain a degree of secrecy. This level of granularity depends on their perceived risk as well as the incentives they receive in the form of monetary benefits or improved M-Commerce services. The factors included perceived risk are unauthorized access hidden and unconsciousness computing derived from mobile applications. Thus, perceived risk has a negative effect on intention to use M – Commerce by mobile users. To build the trust in the mobile user and to reduce the access cost of the M-Commerce, a mathematical Model using Mixed Integer Programming has been developed.

References


- Sang-Won Kang, Joon-Min Gil, SangKeun(2007), "Considering a User’s Mobility and Query Patterns in Location-Based Services," Proc. Of the ACM conf Mobility&apos;s Mobility and Query Patterns in Location-Based Services Conf. Mobility&apos;07 conf.


**Index Terms**

Computer Science

Applied Mathematics
Mathematical Model to Study the Cost Effects and Mobile-Users Trust on Location based Data Access in Mobile-Commerce Transactions

Keywords
Perceived Risk  LBS  HLR  M-Commerce  LPP