عنوان مقاله:
Mobile Phone Security using Automatic Lip Reading

محل انتشار:
نهمین کنفرانس بین المللی تجارت الکترونیک با روتکد بر کسب و کار الکترونیکی (سال:1394)

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نویسندگان:
Fatemeh Sadat Lesani - PhD student in Qom university, Department of Information Technology and Computer Engineering University of Qom Qom, Iran
Faranak Fotouhi Ghazvini - Rouhollah Dianat - Department of Information Technology and Computer Engineering University of Qom Qom, Iran

خلاصه مقاله:
During the recent years mobile phones’ usage and their application in the everyday life has increased dramatically. Therefore the modern methods of security in mobile phone applications are highly regarded especially in mobile banking applications. In this paper, a novel security method is introduced in which a password is received using visual information processing from the user’s lips. Phone Camera can provide the ability to track user’s lip motion using lip reading algorithms to recognize the security words like passwords. Mobility in mobile phones has led to a change in ambient light. In this research, a method has been proposed to solve light change challenges in mobile phones. Finally an m-commerce android application is designed and implemented using this technique. The application recognizes passwords using automatic lip reading and checks whether the password is correct or not. If password is correct, the user can open his/her bank application. The reliability of this method is evaluated comparing with the traditional method of password protection in mobile phones.

کلمات کلیدی:
Mobile Security, Automatic Lip Reading, Mobile Commerce, Lip Tracking

لینک ثابت نتیجه در پایگاه سیویلیکا:
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این صفحه به متنایی تاییدیه نمایه سازی مقاله در پایگاه استادی سیویلیکا می‌باشد. در هر لحظه به منظور ثبات اصلاح این گواهی می‌توانید وضعیت ثبت مقاله را از طریق لینک فوق به صورت آنلاین کنترل نمایید.