

## عنوان مقاله:

Security Analysis and Improvement of Wei-Chi Ku and Yi-Han Chen's RFID protocol

## محل انتشار:

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## خلاصه مقاله:

RFID are small wireless devices that can be used for identification of objects and humans. With development of RFID technology and increasing the use of this technology in everyday life, the Security issues in these systems have been growing in terms of importance day by day. In ۲۰۱۲ Wei-Chi Ku and Yi-Han Chen Proposed a new efficient mutual authentication protocol for passive RFID that provides confidentiality, un-traceability and efficiency. This paper demonstrates that Wei-Chi Ku and Yi-Han Chen's protocol has a serious security problem and proposes a new protocol to prevent this security problem by some changes. Furthermore, the capability of our method for improving, confidentiality, untraceability, and data integrity is discussed.

## کلمات کلیدی:

Radio frequency identification (RFID), security, privacy, authentication, confidentiality

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1546293>

