# Privacy and Security Requirements for RFID Applications

Min-Shiang Hwang[1,*], Chia-Hui Wei[2], and Cheng-Yee Lee[1]

[1] Department of Management Information Systems

National Chung Hsing University

Taichung 407, Taiwan, R.O.C

mshwang@nchu.edu.tw

[2] Department of Computer Science

National Tsing Hua University

Hsinchu 300, Taiwan, R.O.C

chwei@cs.nthu.edu.tw

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**Abstract.** This paper surveys recent technical researches on the problems of privacy and security for various applications in radio frequency identification (RFID). Most RFID system try to design a high level security, but not all of the RFID applications need it. The cost will increase if the privacy and security simultaneously improve, thus, how to balance the two issues are important. This paper provides an insight into the privacy and security requirements for RFID applications by the industrial processes. We will discuss and compare privacy and security in various cases. The results of our surveys are helpful for security engineers, who are responsible for the design and development in RFID.

**Keywords:** RFID, hash function, security, privacy

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* Correspondence author

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