

# **An Overview of RFID Technology, Application, and Security/Privacy Threats and Solutions**

ECE Scholarly paper Presentation

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Date: April 28, 2009

Time: 10am to 11am

Location: Johnson Center 3<sup>rd</sup> Floor

Room#: Meeting Rm C

*Abstract – Radio Frequency Identification (RFID) has been around for nearly 50 years. RFID was first used during World War II in Friend-or-Foe identification system. Ever since then, RFID has caught the attention of many scientists, academics, and enterprises around the world. In addition, the announcement of requiring its top suppliers to adopt RFID technology made by Wal-Mart Cooperation in June, 2003, has once again heated up the topic of RFID. In this paper, I am going to give a brief overview of RFID technology, application, and security/privacy threats and solutions. In addition to that, I will also briefly introduce the security/privacy issues and solutions in EPCglobal Class 1 Generation 2 (C1G2).*