

ITU-T Workshop

“New Horizons for Security Standardization”

Abstract

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Session: **3: Emerging Technical Issues**

Title of Presentation: **Security issues in RFID and Sensor Network**

In this talk, we will talk about the security issues in RFID technology. First we discuss what kinds of security vulnerabilities are possible in RFID technology and then discuss how we can overcome such security threats. We discuss the security threats from the viewpoints of RFID infrastructures including with a RFID tag, reader, IS (Information Service), and applications. Also we will discuss the security issues in e-Seal RFID applications. We also introduce the security issues in wireless sensor network. The sensor network that is composed of sensor nodes raises security and privacy problems. Because of the limited computation and communication power of sensor nodes, conventional security mechanisms are hardly applied to sensor networks. So we need to develop an efficient security schemes to make sensor network secure. We will discuss about these mechanisms.