

**Fifth SG13 Regional Workshop for Africa on
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IoT Connectivity vs Privacy Requests

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Session 1: Standardization Hot Topics 1, Trusted ICT Infrastructures and Services

Abstract:

Connectivity of devices continues building the Internet of Things (IoT) requiring secure, trustworthy, and privacy-preserving infrastructures. Cisco estimates that, by 2020, there will be more than 50 billion Web-enabled devices, including refrigerators, televisions, and scales. Internet and cloud service providers (ISPs and CSPs) and consumers have already encountered many global privacy threats due to the use of pervasive products and services. Recent press reports highlight several privacy violations in IoT applications. This talk explores (IoT) privacy challenges and potential solutions having stakeholder concerns in mind with focus on profiling. It includes current research on various aspects of (IoT) privacy from the viewpoints of academics, industries, and the general public. Finally, an overview is presented about open research issues and design guidelines for preserving privacy.