

Safety and Security Architecture Analyses Framework for the Internet of Things of Medical Devices

Submitted by aekwall on Mon, 05/04/2020 - 11:07am

Title Safety and Security Architecture Analyses Framework for the Internet of Things of Medical Devices

Publication Type Conference Paper

Year of Publication 2018

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Conference Name 2018 IEEE 20th International Conference on e-Health Networking, Applications and Services (Healthcom)

Date Published sep

Keywords [Analytical models](#), [architecture analyses](#), [Computer architecture](#), [Health Care](#), [health care sensors](#), [Internet of Things](#), [IoT architectures](#), [medical computing](#), [medical data](#), [Medical Devices](#), [Medical services](#), [Network Security Architecture](#), [pubcrawl](#), [Resiliency](#), [Safety](#), [safety analysis framework](#), [safety and security](#), [security](#), [security analysis approach](#), [security architecture analysis framework](#), [security of data](#), [Smart homes](#)

Abstract Internet of Things (IoT) is spreading increasingly in different areas of application. Accordingly, IoT also gets deployed in health care including ambient assisted living, telemedicine or medical smart homes. However, IoT also involves risks. Next to increased security issues also safety concerns are occurring. Deploying health care sensors and utilizing medical data causes a high need for IoT architectures free of vulnerabilities in order to identify weak points as early as possible. To address this, we are developing a safety and security analysis approach including a standardized meta model and an IoT safety and security framework comprising a customizable analysis language.

DOI [10.1109/HealthCom.2018.8531121](https://doi.org/10.1109/HealthCom.2018.8531121)

Citation Key rauscher_safety_2018



[Safety](#) [security of data](#) [Medical services](#) [Internet of Things](#) [security](#) [computer architecture](#) [Resiliency](#) [pubcrawl](#) [Analytical models](#) [Smart homes](#) [health care](#) [medical computing](#) [medical data](#) [medical devices](#) [Network Security Architecture](#) [architecture analyses](#) [health care sensors](#) [IoT architectures](#) [safety analysis framework](#) [safety and security](#) [security analysis approach](#) [security architecture analysis framework](#)
