

# Information Driven Network Architecture for Interconnected Smart Things Essay

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1. Introduction

The [Internet](#) of Things (IoT) is the network of physical objects accessed through the Internet. The Network of interconnected objects harvests information from the environment (sensing) and interacts with the physical world (actuation/command/control), uses existing Internet standards to provide services for information transfer, analytics, applications and communications (Jiong et al. 2012).

Analogous to the way humans use the Internet, devices will be the main users in the Internet of Things (IoT) ecosystem. Therefore, device-to-device (D2D) communication is expected to be an intrinsic part of the IoT. Devices will communicate with each other autonomously without any centralized control and collaborate to gather, share, and forward information in a multihop manner. (Bello and Zeadally, 2014). The word Smart is used in conjunction with various words such as Living, Cities, Metering, Grids, Water Levy and Lighting to describe a variety of applications t...

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