Internet of Things (IoT): Definitions, Challenges and Recent Research Directions

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ABSTRACT

In this paper, we seek to highlight the c
Recently, IoT has emerged as a new technology that is used to express a modern wireless tele
Indeed, the IoT environment possesses a large spectrum of challenges has a broad impact on
In addition, this paper highlights the main applications of the IoT.

INTRODUCTION

Today, we are living in the era of smart technologies which represents a "ubi
Internet of Things (IoT) has emerged strongly as a more prosperous area to express this kind o
It is not the first technology in this field, but also the cloud computing technology has been use
In the seventh in the series of ITU Internet Reports originally it was launched in 1997 under the
The vision of IoT according to Kevin's vision was to enable networked devices to propagate the
In recent years, the most of the IoT proposed architectures are used, web semantic to publish i
Simply, IoT means the ability to make everything around us starting from (i.e. Machine, Device
Meanwhile, the IoT environment contains a huge number of the different objects/things can be
Laptop, tablets and mobile phone), and ii) Things are non-rechargeable things: these things are
Generally, IoT includes three main demands are: the first, a shared understanding of the situat
Secondly, software architecture and pervasive communication networks to cover and process c
For instance, IBM company used IoT in Norwegian Sea oil platforms, by deploying sensors at s
Finally, the rest of this paper is summarized as follows: section II, introducing an overview abou

Related Work

In this section, the paper seeks to offer a brief overview about IoT, its definition,