چهارمین کنفرانس بین المللی
مطالعات نوین در علوم کامپیوتر و فناوری اطلاعات

**4ᵗʰ International Conference
On New studies Of Computer And IT**

FEBRUARY 24, 2018

ISC
Islamic World Science Citation Center

مشهــــــد
۰۵ اسفند ماه ۱۳۹۶

Governance of IoT in order to Move ahead of the calendar & live the future today

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Abstract

The Internet of Things (IoT) is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction. The Internet of Things (IoT) world may be exciting, but there are serious technical challenges that need to address, especially by developers. In this handwriting, learn how to meet the security, analytics, and testing requirements for IoT applications. A thing, in the Internet of Things, can be a person with a heart monitor implant, a farm animal with a biochip transponder, an automobile that has built-in sensors to alert the driver when tire pressure is low -- or any other natural or man-made object that can be assigned an IP address and provided with the ability to transfer data over a network. IoT has evolved from the convergence of wireless technologies, micro-electromechanical systems (MEMS), micro services and the internet. The convergence has helped tear down the silo walls between operational technologies (OT) and information technology (IT), allowing unstructured machine-generated data to analyze for insights that will drive improvements. The Internet of things (IoT) is the interconnection via the Internet of computing devices embedded in everyday objects, enabling them to send and receive data. If one thing can prevent the Internet of things from transforming the way we live and work, it will be a breakdown in security. Therefore, there are some important challenges in privacy and maintaining security of the Internet of things. In this paper, we are going to list the typical items which can be major challenges facing IoT.

Keywords: IoT, OT, IT, IoT challenges