

New intelligent technologies (IoT)

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Abstract

Smart city is a relatively new concept in urban management and utilization of urban facilities, which has been formed by relying on existing technologies in the fields of "information and communication technology" and "Internet of Things."

The Internet of Things is a new technology in which communication goes beyond human-to-human and machine-to-machine communication. On the Internet of Things, billions or trillions of objects can communicate with each other and with the environment and exchange information. Recently, new research topics and applications have emerged in the field of the Internet of Things. In this article, we examine the history of the Internet of Things, the obstacles and challenges facing the development of the Internet of Things, and its applications in the world around us. Also, the communication technologies used in the Internet of Things, the architecture of interconnected objects and future research work will be examined.

Keyword:IoT, communication technologies, smart home, IoT architecture, smart world