Abstract

With the evolution of Internet of Things (IoT), various sectors stand at the door of revolution. Recently, there has been a number of proposals for the model of IoT. Despite it, we do not have a reference model where all the key components like supervisory control and data acquisition (SCADA), machine-to-machine (M2M) communication, wireless sensor networks (WSN) and RFID identification is addressed. This paper reviews the architecture, requirements and solutions available for framework, middleware, operating system (OS) and, WSN and MANET, in regard to IoT environment. In addition to this, it highlights the issues and the solutions that can be integrated in the model, like software defined networking (SDN).

References


15. S. Taylor, “The next generation of the Internet revolutionizing the way we work, live, play, and learn,” CISCO, San Francisco, CA, USA, CISCO Point of View, 2013.


25. P.J. Marrón, A. Lachenmann, and D. Minder, "TinyCubus: A Flexible and Adaptive


**Index Terms**

Computer Science

Wireless

**Keywords**

Internet of Things (IoT); framework; middleware; operating system (OS); software defined networking (SDN); wireless sensor networks (WSNs); MANET.