

## عنوان مقاله:

IoT Traffic Over Ethernet Passive Optical Network (EPON): A New Mechanism

## محل انتشار:

نخستین کنفرانس بین المللی شهر هوشمند چالش ها و راهبردها (سال: 1398)

تعداد صفحات اصل مقاله: 4

## نویسندگان:

Sedigheh Rahmati - Pooya higher education institute Yasouj, IRAN

AliAkbar Nikoukar - Department of Mathematics Yasouj University Yasouj, IRAN

Maryam SafaeiSisakht - Pooya higher education institute Yasouj, IRAN

## خلاصه مقاله:

Internet of things (IoT) is the backbone of smart cities. The IoT provides many smart services by combination of sensing, communication, networking, authentication, identification, and computing. Nowadays, the EPON is one of the major access network technologies that provide high bandwidth with low cost and maintenance. However, the current devices are not ready to handle IoT traffic efficiently. In this paper, a new architecture and mechanism is proposed to improve the IoT quality of service (QoS). The new ONU architecture is proposed, that able to handle an IoT traffic as a new service. The simulation results show that the proposed architecture guarantees the QoS metrics in terms of packet delay, packet loss, and system throughput

## کلمات کلیدی:

Internet of things (IoT), Smart city, EPON, QoS

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/998684>

