

Energy Saving on Edges: State-of-the-art and Future Directions

Abstract:

Internet of Things (IoT) comprises a set of devices that are interconnected ranging from our daily used objects to advanced networked devices. It is a constantly evolving phenomenon as the number of devices owned by the regular user is increasing at a rapid rate. These devices are used for various reasons such as social networking, monitoring, performing complex operations and with the increase of advanced technologies, they demand more energy to perform such tasks. Cloud computing enables these communications to seamlessly perform complex tasks in a cloud environment but utilizing these resources properly to perform at the best is the key. In this paper, Energy efficiency and effective functioning of the devices that run on the cloud has been thoroughly analyzed and we have presented the strengths and weakness of various research in each area.

Keywords:

IoT Devices, Edge Computing, Energy Saving