Special Issue

Effective Software-Defined Internet-of-Things (SD-IoT) Leveraging AI, 5G and NFV—2nd Edition

Message from the Guest Editors

By using controller intelligence and programmability, software-defined networking (SDN) could dynamically and efficiently manage resources in order to provide a wide range of different services. SDN enables network systems to coordinate and estimate available resources, as well as dynamically adapt to the environment to optimize resource consumption. Artificial intelligence and machine learning are proving to be effective methods of increasing the intelligence of SDN controllers. It is possible to efficiently use the SDN controller's increased intelligence in the context of the software-defined Internet of Things (SD-IoT). A controller trained with powerful AI and machine learning algorithms could improve the supply of end-to-end (E2E) services, security, and resource management in the SD-IoT environment. This Special Issue looks forward to providing the most up-to-date information on state-of-the-art SDN technologies based on machine learning and AI methods, as well as new research findings involving a broad variety of features within intelligent SDN technology for SD-IoT.

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