Tutorial Paper:
Paper Subject: A Survey of Emerging M2M Systems: Context, Task, and Objective
Paper link: https://doi.org/10.1109/JIOT.2016.2582540

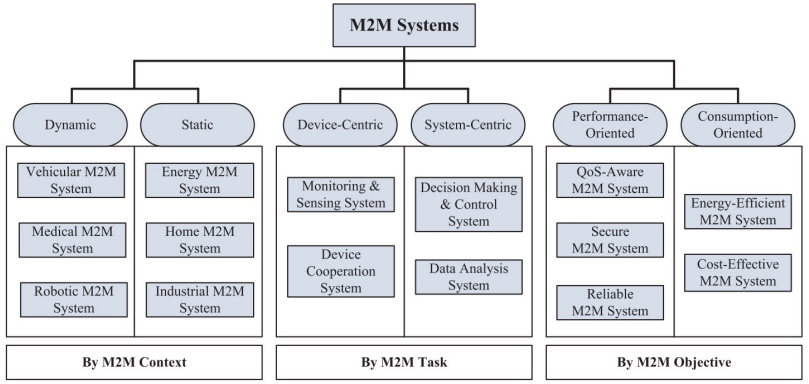

Fig. 3. Categorization of M2M systems.

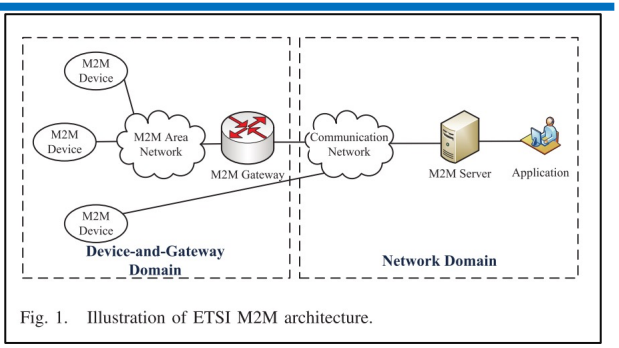

Fig. 1. Illustration of ETSI M2M architecture.

1. Categorised M2M systems into M2M Task(Device-Centric and System-Centric M2M Systems), M2M Context (Dynamic and Static M2M Systems), M2M Objective (Performance or Consumption based M2M Systems)
2. A context-task-objective investigation of theoretical and practical implementations.
3. Challenges like – Concurrent Transmissions and network congestions, heterogeneity and management of devices, M2M and H2H coexistence and resource allocation scenarios, QoS and User Satisfaction as utility of M2M
4. Discusses different M2M implementations and their use-cases along with communication networks and architectures.

Review Paper:
Paper Subject: A Reference Model for Internet of Things Middleware
Paper Link: https://doi.org/10.1109/JIOT.2018.2796561

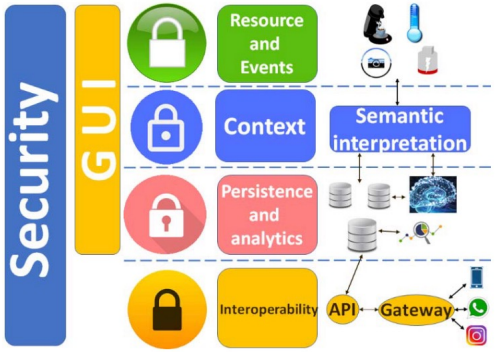

Fig. 4. Illustration of the proposed reference model for IoT platform modules.

1. Discusses the Functional and Non-Functional requirements of IoT Middleware System
2. Discusses different IoT platforms (25 in total)
3. Provides a reference model for the IoT middleware imposing emphasis on Security in the middleware through 4 different techniques
4. Discusses difficulties in achieving a universal standard for IoT, and differentiates IoT from regular Internet.

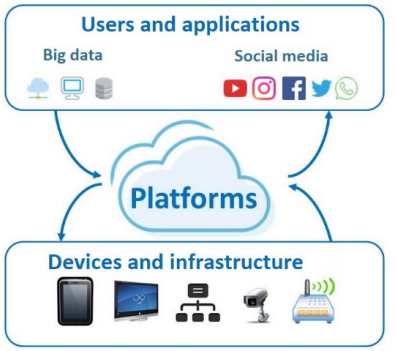

Fig. 2. Simplified IoT layered architecture.