**IoT industry benefits from practical boost forward with global oneM2M developer training sessions**

*Upcoming developer tutorial event is one of four recent training sessions aimed at highlighting practical importance of globalised IoT standard*

**Hawaii, United States, 25 November 2019:** [oneM2M,](http://www.onem2m.org/) the global Internet of Things (IoT) standard, will host a developer-focused industry training event highlighting the importance of standardisation and how it can equip developers with the skills and knowledge to meet the demands of the IoT age.

At the 2019 [IEEE Global Communications Conference](https://globecom2019.ieee-globecom.org/) (GLOBECOM), held in Waikoloa, Hawaii, United States, on Friday 13 December, oneM2M will provide an overview of its standards and the tools that are enabling interoperability and market growth within the IoT ecosystem. Attendees will be walked through the oneM2M architecture and will examine how to use Open Source tools.

The event will provide an overview of the oneM2M standard and a tutorial, providing demonstrations on how to quickly develop IoT applications. Developers will also benefit from workshops on developing oneM2M applications including sensors/actuator applications and end-user applications.

“The IoT promises to interconnect billions of devices covering various domains. However, the existence of a high vertical fragmentation in current markets, coupled with a lack of standards, threatens risks such as vendor lock-in,” said Laurent Velez, Technical Expert at [The European Telecommunications Standards Institute](file:///G%3A%5CShared%20drives%5CProactive%20PR%5CClients%5ConeM2M%5C2019%5CPress%20Releases%5Cetsi.org) (ETSI). “If the market is to overcome these hurdles and continue to mature, there must be a greater understanding of the practicalities and benefits of IoT standards across the developer community – and this is exactly what this event aims to do.”

The Hawaii event follows three events in November, including a [tutorial on the oneM2M Common Service Layer](https://lisha.ufsc.br/oneM2M%2B2019) on 14 November at the Federal University of Santa Catarina in Florianopolis, Brazil. At the event, the challenges faced and the efforts achieved by standardisation bodies to design a globally agreed IoT service platform were discussed.

Participants also followed practical sessions on how to quickly integrate heterogeneous IoT devices and develop IoT applications based on the Open Source project [Eclipse OM2M](http://www.eclipse.org/om2m).

On 18 November, in Campinas, Sao Paulo, Brazil, ETSI and [CPQD](https://www.cpqd.com.br/en/), as part of the [InDiCo project](https://www.indico-ictstandards.eu/), held a [workshop to highlight the value of standardisation in IoT](https://docs.google.com/forms/d/e/1FAIpQLSf9q-PiFkiAa0lpq1btqnafwuS2U26q7rApQEohRqDY_1pqnQ/viewform). The event was held in the context of increasing need for interoperability as traditional industry sectors become more connected.

From 19-20 November, also in Campinas, in partnership with the [ICT Research Center Renato Archer](https://cti.gov.br/en), InDiCo held a [tutorial on the oneM2M Common Service Layer](https://www.indico-ictstandards.eu/upcoming-events/brazil/tutorial-hackaton-onem2m#indico-register-buttons). This was followed by a Hackathon allowing students, young professionals and researchers to get a hands-on experience with the oneM2M standard.

“These events are an important step towards the growth of standards across the application developer community. Providing an abstraction layer for developers to build on, oneM2M standards can provide significant benefits to developers’ IoT applications and devices, such as enhanced interoperability, security mechanisms, multiple communication protocols and interworking with existing legacy devices,” added Velez.

Laurent Velez, a Technical Expert at ETSI, and Dr. Mahdi ben Alaya, Founder and CEO of [Sensinov](https://sensinov.com/), will present the industry training session on Friday 13 December, in Waikoloa, Hawaii, United States.

For more information on oneM2M, please visit: <http://www.onem2m.org/>.

**ENDS**

**About oneM2M**

oneM2M is the global standards initiative that covers requirements, architecture, API specifications, security solutions and interoperability for Machine-to-Machine and IoT technologies. oneM2M was formed in 2012 and consists of eight of the world's preeminent standards development organizations: ARIB (Japan), ATIS (U.S.), CCSA (China), ETSI (Europe), TIA (U.S.), TSDSI (India), TTA (Korea), and TTC (Japan), together with industry fora or consortia (GlobalPlatform) and over 200 member organizations. oneM2M specifications provide a framework to support applications and services such as the smart grid, connected car, home automation, public safety, and health. oneM2M actively encourages industry associations and forums with specific application requirements to participate in oneM2M, in order to ensure that the solutions developed support their specific needs. For more information, including how to join and participate in oneM2M, see: [www.onem2m.org](http://www.onem2m.org).

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