

Report on activities of the ECHONET Consortium (Oct.–Dec. 2019)

Classification	Current activities
Topics	<p>(1) The ECHONET Consortium exhibited at CEATEC 2019 (Oct. 15–18, 2019 at Makuhari Messe)</p> <ul style="list-style-type: none"> • Introduced a world outlook where ECHONET specifications help achieve various Society 5.0 services, and ECHONET Lite devices enable a wide variety of service providers and manufacturers of related products to enter markets with the aim of “strengthening the approach to service providers”. The booth was a great success with about 400 visitors. • At the venue, examples of services to be realized by the spread of Web API were introduced (e.g. energy management using actual air conditioners, healthcare simulating blood pressure measurement data, remote maintenance of home electric appliances, and security for locking doors and windows). As a part of the exhibition, a presentation to show the present and future of ECHONET was given at the lounge theater in the special exhibition area. <p>(2) Exhibited a booth at Smart City Solutions Week 2019 in Thailand Schedule: October 28–31, 2019, Bangkok International Trade & Exhibition Center (BITEC)</p> <ul style="list-style-type: none"> • Co-hosted by a Thai government agency (the Thailand Digital Economy Promotion Agency (DEPA)), a Thai public power distributor (the Provincial Electricity Authority (PEA)), Messe Frankfurt, and EXHIBIZ, the exhibition showed Smart City-related technologies and solutions. • Beginning with this exhibition, the Consortium aims to raise awareness of ECHONET Lite in the ASEAN region and make the adoption of ECHONET Lite mandatory for various national-level projects. <p>There were around a hundred visitors including the director of PEA, executives of DEPA, and people from Japanese and foreign corporations working in the ASEAN region.</p> <p>(3) The Second Home Appliance Open Innovation Symposium December 16, 2019 at the Large Hall, Seavans S Building 1F, in Hamamatsu cho</p> <ul style="list-style-type: none"> • The Home Appliance Open Innovation Symposium was co-sponsored by the Keio University Cyber Civilization Research Center. • Dr. David Farber (co-director of the Keio University Cyber Civilization Research Center) gave a keynote speech. A lively discussion was held under moderator Dr. Masaki Umejima, Project Associate Professor (Keio University Cyber Civilization Research Center), with panelists Mr. Ozaka, deputy director of Information Economy Division (Commerce and Information Policy Bureau, Ministry of Economy Trade and Industry), Dr. David Farber, Hiroaki Taniguchi (director of NTT Anode Energy Corporation), and director Suzuki (ECHONET Consortium) • Mr. Nagasawa, Chairperson of the Promotion Committee, gave a presentation focusing on overseas activities to promote ECHONET. The symposium was very well-attended by 87 members and visitors, and was a great success.
Planning and Steering Committee	<p>(1) Gave a lecture at Taiwan’s standardization forum</p> <ul style="list-style-type: none"> • On Tuesday, October 1, 2019, we gave a presentation titled “ECHONET and Smart Homes” at the Global Standardization Forum. <p>We introduced ECHONET Lite, the recent penetration of ECHONET Lite in the Japanese market and the current status of initiatives under ECHONET 2.0 This Forum hosted by Taiwan’s standardization organization, the Taiwan Association of Information and Communication Standards (TAICS). The event took place at the NTUH International Convention Center in Taipei.</p> <p>(2) A lecture was given at ET/IoT Technology 2019 to introduce the present and future statuses of ECHONET ET/IoT Technology 2019 “ECHONET Consortium seminar” (Oct. 22, 2019) at Makuhari Messe (Chiba City)</p> <ul style="list-style-type: none"> • Introduced efforts related to ECHONET 2.0, WebAPI Guidelines, initiatives for AIF certification, and case studies of specific services provided to houses and apartments. <p>(3) People from the Bureau of Standards, Metrology and Inspection (BSMI) visited the HEMS Interoperability Test Center at the Kanagawa Institute of Technology</p> <ul style="list-style-type: none"> • On December 25, 2019, Dr. Masao Isshiki and his laboratory students introduced HEMS certification activities to eleven people who visited the HEMS Interoperability Test Center from the Taiwan Bureau of Standards, Metrology and Inspection (BSMI), the Telecom Technology Center, and the Taiwan Institute of Economic Research.
Technical Committee	<p>(1) ECHONET Lite specifications/System Design Guidelines</p> <ul style="list-style-type: none"> • Started a member review on “Guidelines for ensuring the reliability of the entire ECHONET Lite system First Edition (Draft)”. <p>(2) Detailed Requirements for Device Objects</p> <ul style="list-style-type: none"> • Received suggestions from Consortium members regarding the Detailed Requirements for Device Objects Release M, we started a study on new device objects. <p>(3) Application Communication Interface Specifications</p> <ul style="list-style-type: none"> • Started a member review on “Interface Specifications for Application Communication between Home Air Conditioners and HEMS Controllers (Version 1.10 Draft)” and certification test specifications. • Started a member review on “Interface Specifications for Application Communication between Hybrid Water Heaters and HEMS Controllers (Version 1.00 Draft)” and certification test specifications. <p>(4) Test tools</p> <ul style="list-style-type: none"> • Revised test scenarios, test procedures, and the like. Updated AIF certification test tools (test tools other than smart electric meters) to “aif_tool-1.3.2” and released exclusively to members (October 10). <p>(5) ECHONET Lite WebAPI</p> <ul style="list-style-type: none"> • The ECHONET Lite Web API Guidelines device specifications section Ver.1.1.0 was released to the public (November 2019) Changed guideline names to API Specification Section, Device Specification Section from the currently-released version. <p>(6) Holding of Plug Fest events</p>

	<ul style="list-style-type: none"> • Declaration and announcement of recruiting participants for the 23rd Plug Fest (Feb 13-14 at the HEMS Authorization Support Center, Kanagawa Institute of Technology) <p>(7) Others</p> <ul style="list-style-type: none"> • Completed demonstration system development to show an image of WebAPI Exhibited at CEATEC 2019 • Lectures to introduce efforts made by the ECHONET Consortium, as well as ECHONET Lite AIF certification tools and a Web API-related demonstration were given at the 2019 Smart Grid and Smart Community Workshop held at the Taipei International Convention Center (TICC). • A presentation related to WebAPI was given at the ECHONET Consortium Seminar as a part of the ET & IoT Technology 2019 conference.
Promotion Committee	<p>(1) Gave a lecture at Taiwan's standardization forum</p> <ul style="list-style-type: none"> • On Tuesday, October 1, 2019, we gave a presentation titled "ECHONET and Smart Homes" at the Global Standardization Forum. <p>We introduced ECHONET Lite, the recent penetration of ECHONET Lite in the Japanese market and the current status of initiatives under ECHONET 2.0</p> <p>This Forum hosted by Taiwan's standardization organization, the Taiwan Association of Information and Communication Standards (TAICS). The event took place at the NTUH International Convention Center in Taipei.</p> <p>(2) A lecture was given at ET/IoT Technology 2019 to introduce the present and future statuses of ECHONET ET/IoT Technology 2019 "ECHONET Consortium seminar" (Oct. 22, 2019) at Makuhari Messe (Chiba City)</p> <ul style="list-style-type: none"> • Introduced efforts related to ECHONET 2.0, WebAPI Guidelines, initiatives for AIF certification, and case studies of specific services provided to houses and apartments. <p>(3) People from the Bureau of Standards, Metrology and Inspection (BSMI) visited the HEMS Interoperability Test Center at the Kanagawa Institute of Technology</p> <ul style="list-style-type: none"> • On December 25, 2019, Dr. Masao Isshiki and his laboratory students introduced HEMS certification activities to eleven people who visited the HEMS Interoperability Test Center from the Taiwan Bureau of Standards, Metrology and Inspection (BSMI), the Telecom Technology Center, and the Taiwan Institute of Economic Research.