Invitation to the Experts Workshop
Energy Efficiency of Electric Vehicle Supply Equipment (EVSE)

Date:
Thursday 28 September, 2017
11:00 - 16:00

Location:
BENE Idea Lab
Neutorgasse 4–8
1010 Vienna
In 2016 more than 2 million electric cars were on the road globally, with over 750 thousand units sold over the year. Substantial new implementation of electric vehicle supply equipment (EVSE) was also observed on par with the growth of the global electric car stock.

The overall energy performance of EVSE encompasses both the charging efficiency as well as the own energy consumption of the infrastructure itself. This is the topic of this workshop with national and international experts, which aims at exploring the current knowledge on energy performance and testing, as basis for energy efficiency strategies and policy approaches for EVSE. This workshop is part of the activities of the ongoing scoping study on “Energy Efficiency of EVSE” initiated by the Electronic Devices and Networks Annex (EDNA) of the Technology Collaboration Programme Energy Efficient End-Use Equipment (IEA – 4) under Austrian leadership, and with the coordination of the ECODESIGN company GmbH.

**INFORMATION:**
This workshop is free of charge.
It is part of the dissemination work of the Energy Efficient End-Use Equipment Technology Collaboration Program of the International Energy Agency (IEA-4E) and the IEA Research Cooperation Program of the Austrian Federal Ministry of Transport, Technology and Innovation (BMVIT).

**REGISTRATION:**
We kindly ask you to please register by sending an email with the subject “EVSE WS Registration” to:
Dr. Adriana Diaz, IEA – 4E Co-Delegate for Austria
“ECODESIGN company” engineering & management consultancy GmbH.
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Workshop Agenda > 28th September, 2017 > BENE Idea Lab > Vienna

11:00  BMVIT welcome, setting the stage & relevance of the topic
       DI Hans-Jürgen Salmhofer
       Stabstelle Dekarbonisierung, BMVIT

11:20  Trends on EVSE from the 2017 IEA Electric Vehicle Outlook
       Ms. Marine Gorner – Co-author of the 2017 Global EV Outlook
       IEA, Directorate for Technology, Sustainability and Outlooks

12:00  Conductive EVSE technologies
       > Available technologies, products on the market and energy efficiency
       Mr. Martin Nöhrer
       Electric Energy Systems, Center for Energy, Austrian Institute of Technology

12:20  High-speed charging solutions and energy efficiency
       DI Leonard Müller
       SMATRICS GmbH & Co KG.

12:40  Inductive EVSE technologies
       > Available technologies, market products and energy efficiency
       Mr. Janosch Marquart
       NTB University of Applied Sciences Buchs, Switzerland

13:10  BREAK

13:30  Standby power consumption and efficiency under operational load of DC chargers for electric vehicles
       Dr. Harald Scholz
       European Interoperability Centre for Electric Vehicles and Smart Grids at the Joint Research Centre JRC

14:10  Charging infrastructure and Life Cycle Assessments
       > IEA HEV Task 30 – Environmental assessments
       DI Dr. Gerfried Jungmeier
       Future Energy Systems & Lifestyle and IEA HEV,
       JOANNEUM RESEARCH Forschungsgesellschaft mbH

14:30  Efficiency in practice, learning from projects EMPORA and e-connected
       DI Herbert Pairitsch
       Infineon Technologies AG (Requested)

15:00  Discussion, wrap-up and networking
       > Future activities and initiatives
       All invited experts and participants

16:00  END

Moderation Dr. Wolfgang Wimmer, ECODESIGN company GmbH