

WORKSHOP

INTEGRATION OF ELECTRIC VEHICLES IN POWER SYSTEMS

DATE

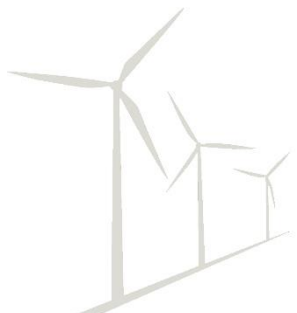
September 16th – 18th 2019

LOCATION

**TU Dortmund University
Germany**

**ElaadNL • Parking Energy • Chaire Armand Peugeot •
Smart Otaniemi • Westnetz • Tampere University • SINTEF
• Smart City Alliance Dortmund • University of Manchester**

**Electric Energy Systems University Enterprise
Training Partnership**



tu technische universität
dortmund



Schedule

MONDAY

10:00 – 10:45

Registration

10:45 – 11:00

Opening

11:00 – 12:30 

Jan Fritz Rettberg • Smart City Alliance Dortmund

• **Lunch break** •

14:00 – 15:30 

Low power charging in real estates • Markku Peräniitty • Parking Energy

• **Coffee break** •

16:00 – 17:30 

Grid and charging infrastructure of the future in Norway • Matthias Resch • SINTEF

TUESDAY

09:30 – 11:00 

Smart charging approaches for DSO's • Arjan Wargers • ELaadNL

11:15 – 12:45 

Digital integration of electric vehicles to power system - Real IT cases for creating parts of the Smart Grid • Joni Markkula • Tampere University

• **Lunch break** •

14:15 – 15:15 

Visit to Competence Centre for Electric Mobility North-Rhine Westphalia • Kalle Rauma • TU Dortmund University

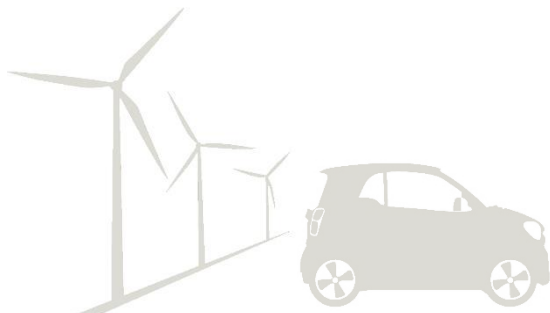
• **Coffee break** •

15:45 – 17:15 

Marc Petit • Chaire Armand Peugeot / CentraleSupélec

Evening

• **Dinner** •



Schedule

WEDNESDAY

09:30 – 11:00 

Techno-economic and business case assessment of active network solutions for the integration of EVs, electrical heating and other LCTs • Eduardo Alejandro Martínez Ceseña • University of Manchester

11:15 – 12:45 

Subaggregation of electric vehicles in a VPP • Harri Vesa • Smart Otaniemi

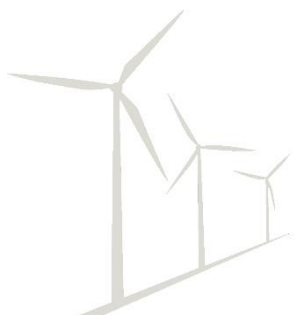
• Lunch break •

14:15 – 15:45 

The upcoming e-mobility in Germany from a DSOs perspective – Impact, appreciation and handling • Florian Schaber • Westnetz

16:00 – 16:45

Final discussion and closing



Contents & objectives

The main focus is on **electric vehicles from the power systems point-of-view**. The workshop will bring together experts around Europe to discuss topics such as:

- EVs from the DSOs perspective
- Smart charging
- EV charging infrastructure of the future
- ICT to integrate EVs to power systems
- EV integration to real estates
- EVs in a virtual power plant
- Relevant business cases

The workshop serves as a meeting point between specialists from the industry, academy and research centres to **exchange ideas** on this emerging field. Numerous **real-life experiences** and examples ranging from early-stage research to daily operation will be provided.

TARGET AUDIENCE

The workshop is oriented to professionals from utilities, energy companies, automotive industry, charging operators, manufacturing companies, universities, R&D and from the related public administration.

DOCTORAL STUDENTS

3 ECTS awarded for participation



Course fees

MEMBERS OF EES-UETP

367.50€

UNIVERSITY NON-MEMBERS OF EES-UETP

900€

INDUSTRY NON-MEMBERS OF EES-UETP

1500€

Includes: participation, material, lunches, dinner (Tuesday) and coffee

REGISTRATION AND FURTHER INFORMATION

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