



## The City of Magdeburg

Magdeburg is located in the centre of Germany, close to the capital Berlin. With 1,200 years of rich and colourful history, it is one of the oldest cities of the former East Germany. Magdeburg was once an imperial palatinate, a member of the Hanseatic League, and a Prussian Fortress.

Nowadays, Magdeburg is particularly shaped by two universities within the city limits, several innovative and application-oriented research institutes and many park areas and trees. The city is home to theatres, museums, galleries and comedy venues and has an active cultural scene. The *Hasselbachplatz* is a sprawling area where numerous bars and restaurants are located right next to each other.

## Otto-von-Guericke-University Magdeburg

The Otto-von-Guericke-University Magdeburg is one of the youngest universities in Germany. Founded in 1993, more than 13,000 students study here and a diverse set of subjects and scientific traditions are taught and researched upon.

Because of its location in the centre of Germany and its history within a former East German city, the university sees itself as a bridge between Western and Eastern Europe. This is particularly apparent if you look at the internationalization of research and teaching at the university.

## Application

We invite PHD students and master students in the final stages of their program (working on their master thesis) to apply. The summer school will accommodate 24 students. Applicants should have a basic background in one or more of the following fields: economics, engineering, logistics, social sciences. The conference language is English.

The application process has two steps. First, to express your interest in participating, please fill out the application form at:  
[https://www.befragungen.ovgu.de/sumscho\\_emobility17/](https://www.befragungen.ovgu.de/sumscho_emobility17/)

Closing date for expressions of interest is **May 7, 2017**.

Second, after the closing date, we will contact you with a brief task to assess the suitability of all candidates.

The registration fee will be approx. € 250 and cover accommodation and food as well as expenses for activities during the program. Some participants already involved with sustainable mobility topics will receive a stipendium and will be released from paying the fee.

## Contact

[summerschool-emobility@ovgu.de](mailto:summerschool-emobility@ovgu.de)

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# International Summer School on E-mobility

Otto-von-Guericke-University Magdeburg

September 25 – 29, 2017

**NAT** FACULTY OF NATURAL SCIENCE

**MB** FACULTY OF MECHANICAL ENGINEERING





### Our Goals

Our summer school offers 24 young scientists (PhD candidates and students at the final stages of their master's programs) an **interdisciplinary exchange** on the topic of e-mobility.

They gather **experience on working in small interdisciplinary project teams** on a high academic level. They also get a unique opportunity of **networking** within this topic with a promising future.

### Topics for and from Practitioners

The participants will work on practically relevant questions from Logistics, Psychology, and related subjects under the supervision of renowned international scientists. Examples of such questions are:

- Which forms of **intermodality and trip chain characteristics** will be fostered by e-mobility? Are they in accordance with **peoples' mobility needs**?
- How can **charging in urban areas** be implemented viably for suppliers and users? Which innovative **business models** (e.g., crowd-based concepts) are conceivable?
- How does **autonomous driving** change the usage of electric vehicles?

### Interdisciplinary Approach

Our summer school is a mutual project of several OvGU departments that bring their expertise on e-mobility to the table:

The **Environmental Psychology division** of **Prof. Dr. Ellen Matthies** investigates the social acceptability of electric vehicles as well as usage behavior.

The **Logistics division** of **Prof. Dr. Hartmut Zadek** investigates opportunities of trip chains and the logistically sensible application of electric vehicles.

The **Autonomous Vehicles division** of **Jun.-Prof Dr. Stephan Schmidt** investigates the topic of autonomous driving.

The **Research Group on E-mobility "Editha"** of **Dipl.-Ing. Gerd Wagenhaus** develops prototypes and solutions for the application of electric vehicles.

### International Orientation

The summer school is addressed to participants from the **international scientific community**, who will be approached via existing networks and will have to qualify through a selection process.

Among the local professors, the psychologist **Prof. Dr. Christian Klöckner** (NTNU Trondheim) will be part of the supervisory team as a **renowned expert on e-mobility**.

### Program Highlights

#### **Working in international, interdisciplinary teams**

- Working on contemporary topics of logistics, engineering, economy, and social sciences
- Mentoring by renowned scientists

#### **Keynotes**

- Interdisciplinary
- Insights into the current scientific discourse on the topic of e-mobility

#### **Experiencing electric vehicles**

- Trying out various pedelecs and e-scooters (see pictures above)
- Experiencing Editha – the university's self-developed electric car (see picture on the front page)

#### **Getting to know companies**

- Day trips to local companies
- Insights into e-mobility in practice

#### **Social Program**

- Welcoming dinner
- Pub night
- Picnic and barbecue
- Farewell party