SUPER – Stuttgart University Program for Experiencing Research
Project Information

Institute's Information

Name of Institute  Institute of Electrical Energy Conversion

Contact Person  Alexander Enssle, M.Sc.

Phone  +49 (7 11) 6 85-67655

E-mail  enssl@iew.uni-stuttgart.de

Duration of Project/Number of Students

June/July  x

June/July/August  x

Number of Students  1

Name of Project  Various topics in the area of contactless inductive energy transfer

Beneficial Skills & Knowledge

Programming Skills (C, HDL), Matlab/Simulink, Circuit Design and Analysis

Control Engineering, Signal and Power Electronics

Description of Work

At the Institute of Electrical Energy Conversion there are two major research topics. One of the research groups is working on contactless inductive energy transfer. In addition to our basic research in this field, we follow various application-oriented projects, e.g. in the area of electromobility and renewable energies. The research project will be carried out on this topic.

The exact program description will be defined together with the student in the first week, depending on current research topics and the student's skills. Possible topics include programming, simulation, measuring and signal or power electronics hardware design.