Ostfalia
University of
Applied Sciences

Energy Consumption Optimisation for Electric Vehicles – functional integration for energy-optimised driving with high levels of driving safety for electric vehicles (ECOCar)

Project management: Prof. Dr.-Ing. Xaiobo Liu-Henke

Summary:

The objective of the ECOCar project is to develop a cross-domain concept with highly innovative control algorithms for the whole mechatronic system. This enables the systematic functional integration of the chassis and drive train components of motor vehicles with central electric drive. This ensures, on the one hand, a significant improvement in handling and road safety, and on the other, energy-optimised operation. The research project will contribute to increasing societal acceptance of electric-powered vehicles.

This project will ensure the promotion of young scientists at all levels of academic training – from study research projects to doctoral theses – as well as the sustainable establishment of a strong junior research teams. This directly leads to a strengthening of Ostfalia's research foci "eMobility" and "vehicle electronics", as a centre of applied research.

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Duration: 2013 – 2016

Funding amount: €424,308

Organisational unit: Faculty of Mechanical Engineering

Research area: Intelligent Systems for Energy and Mobility

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