International Summer University 2019: Embedded Mobile Systems

May 19th – June 01st, 2019 in Wolfenbüttel, Germany

Ostfalia University of Applied Sciences in Wolfenbüttel, Germany, invites you to the International Summer University (ISU 2019). Meet German and international students, study Embedded Mobile Systems, visit Germany and have fun.

CULTURE AND LANGUAGE
Visit Germany and get an insight into German history, culture and language. The region Braunschweig/Wolfenbüttel will lead you back to the Middle Ages. In Berlin, Germany's capital, you will come in touch with the former border line between East and West.

Berlin, capital of Germany
City tour, Reichstag - Parliament Building, Chancellery, and former line of the Iron Curtain

Wolfsburg: Volkswagen Factory Tour and Autostadt Town
Wolfenbüttel: Walk and Duke August Library
Braunschweig: Town walk, Birth place of Carl-Friedrich Gauss
Bremerhaven: German Emigration Center

AUTONOMOUS DRIVING & ETHICS

In this course, you will learn about how self-driving cars work and you will take a crack at your very first autonomous vehicle project - finding lane lines on the road!

Basics of computer-aided image processing. (Prof. Quevedo, UWP).

During this course the participants will be taught the basic functionalities of the programming language python. Based on the application of computer-aided image processing, the participants gain in-depth knowledge in dealing with image information and its evaluation. This basic knowledge serves as a link to the lecture "Introduction to autonomous driving & ethics".

Introduction to autonomous driving & ethics. (Prof. Kreyssig, Ostfalia).

During the lab sessions, participants can apply their acquired knowledge in practice and design their own autonomous vehicle. The lecture will teach disciplines such as a fusion of sensor data, localization, path planning, control, and system integration.

Course fees: 450 €, including accommodation, breakfast, lunch, excursions - Ostfalia students free.

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