

Ostfalia University of Applied Sciences in Wolfenbuettel, Germany, invites you to the International Summer University (ISU 2019).

Meet German and international students, study Embedded Mobile Systems, visit Germany and have fun.



Location: Ostfalia  
University of Applied Sciences  
Wolfenbüttel, Germany

Department of Computer Science

Date: May 19th – June 01<sup>st</sup>, 2019

Registration: until February 25<sup>th</sup>, 2019

Course fees: 450 €, including accommodation, breakfast, lunch and excursions

Web: [www.ostfalia.de](http://www.ostfalia.de)

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This ISU will be jointly credited with 5 CP(EU).

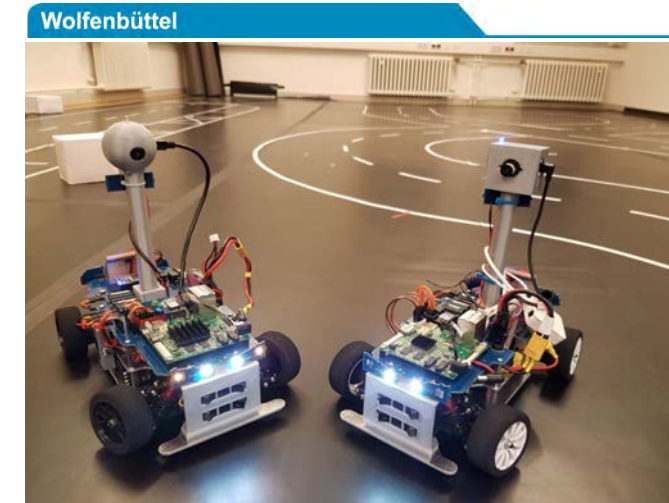
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# International Summer University 2019

Study  
**Embedded Mobile Systems**  
and visit **Germany**

May 19<sup>th</sup> - June 01<sup>st</sup> 2019  
Ostfalia University of Applied Sciences,  
Wolfenbüttel, Germany



Salzgitter

Sudenburg

Wolfsburg

## 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!

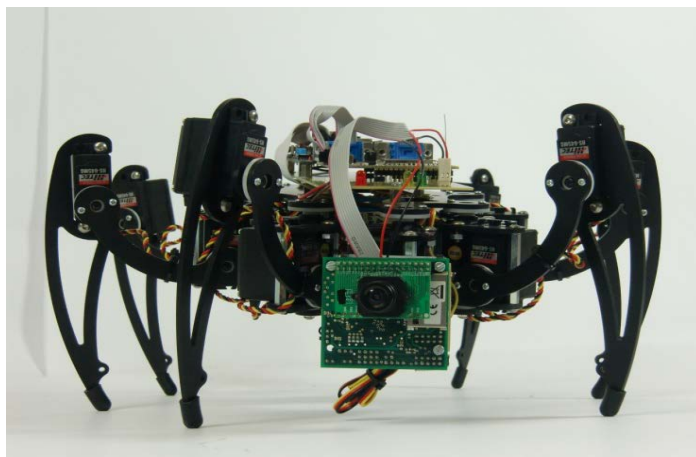
**Basics of computer-aided image processing.**  
(Prof. Quevedo, UWP).

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.

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## EXCURSIONS AND FIELD TRIPS



125 years ago German pioneers invented the automobile. Today Europe's largest car manufacturer Volkswagen is located in the region of Ostfalia. Meet workers and engineers at the assembly lines and inspect the latest models of Volkswagen.

**Wolfsburg:** Volkswagen Factory Tour and Autostadt

**Berlin:** Sight Seeing Tour Berlin and Potsdam

**Bremerhaven:** German Emigration Center

**Wolfenbüttel:** Town walk and Duke August Library

**Braunschweig:** Town walk, Gauss Birth place



## CULTURE AND LANGUAGE

Visit Germany and get an insight into German history, culture and language.

The region Braunschweig / Wolfenbuettel 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.

**German Language, History and Culture (Course GL)**

(Prof. PhD. S. Christoph, University of Wisconsin-Parkside)



**Berlin, capital of Germany**

City tour, Reichstag - Parliament Building, Chancellery, and former line of the Iron Curtain.