Ostfalia University of Applied Sciences in Wolfenbüttel, Germany, invites you to the International Summer University (ISU 2018).

Meet German and international students, study Integrated Systems in Water Quality Monitoring, visit Germany and have fun.

Location: Ostfalia University of Applied Sciences, Wolfenbüttel, Germany

Department of Computer Science
in Cooperation with:
Department of Supply Engineering: Environmental Engineering

Date: July 30th – August 11th, 2018

Registration: until April 30th, 2018

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

Web: www.ostfalia.de

Contact: Dr. H. Sander (Dept. of Supply Eng.)
Prof. Dr. F. Seutter (Dept. of Comp. Sci.)

E-mail: h.sander@ostfalia.de
f.seutter@ostfalia.de

This ISU is part of a two series ISU in 2018. ISU 2 will be hosted by University of Wisconsin at Parkside, WI, USA, in 13th – 26th of August 2018 (course fees there on request). Both ISU will be jointly credited with 5 CP(EU).

Ostfalia
University of Applied Sciences
Salzdahumer Str. 46/48
D-38302 Wolfenbüttel
Germany

Phone +49(0) 5331 939 0
Fax +49(0) 5331 939 39380
Web www.ostfalia.de
MOBILE INTEGRATED SYSTEMS FOR ENVIRONMENTAL MONITORING

Waste from industrialization and urbanization increasingly create a source of pollution in terrestrial and aquatic systems leading to land and water pollution and lake eutrophication. In order to monitor water quality, eutrophication and harmful algal blooms a smartphone app is developed and equipped with additional service features.

Part 1: SU 2018 at Ostfalia, Wolfenbüttel:

Water Monitoring and Bioremediation Concepts (ES I / II) Prof. Skalbeck (UWP); Dr. Sander (Ostfalia)
Participants in will get acquainted with techniques to collect and evaluate data sets under field conditions in order to evaluate and predict eutrophication status in lake waters. They will get acquainted with bioremediation concepts and the role of monitoring options.

Mobile – Cloud Integrated Systems (Course CS I / II) Prof Altahad, (UWP); Prof. Weimar (Ostfalia) Participants will enhance an existing mobile application with cloud functionality and data analysis capabilities. In lectures the context will be prepared, and in lab sessions with hands-on project work, participants will develop tools for cloud storage, data mining, and statistical analysis of the app data as a service to environmental institutions for a continuous monitoring of different lake regions.

This ISU is part of a two series ISU offer in 2018. ISU 2 will be hosted by University of Wisconsin at Parkside, Wi, USA, in 13th – 26th of August 2018. Both ISU will be credited with 5 CP (EU) together, or 2,5 CP (EU) separately for each.

Ostfalia Students can apply for financial aid to participate in ISU 2 (Information on course fees there on request).

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
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.