

International Summer University 2023

Study the Cost of Climate Change: Mitigation of Freshwater Deterioration via Automated Environmental Monitoring including Data Visualisation and Forecast App

and visit Wisconsin, USA

July 15th - July 29th 2023

University of Wisconsin at Parkside
Kenosha, WI, USA



Visit the International Summer University (ISU 2023) at the University of Wisconsin at Parkside, a partner university to Ostfalia University of Applied Sciences in Wolfenbuettel, Germany:

You are a student enrolled in Sustainability Management, Business and Economics, Biology and Natural Sciences or Computer Sciences?

Meet international students, study Cost and Consequences of Climate Change - and have fun.



Location: University of Wisconsin at Parkside Kenosha, WI, USA

Date: July 15th – July 29th , 2023

Registration: until April 30th , 2023

Course fees: 1000 €, including accommodation, breakfast, lunch and excursions

Web: <https://www.uwp.edu/>

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Interested? Apply now using the contact addresses from above!

This ISU will be hosted by University of Wisconsin at Parkside, WI, USA, in July 15th – July 25th 2023 (Ostfalia students are eligible for financial aid).

ISU will be credited with 2.5 CP (EU).

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, enhanced by climate change. We study automated devices to monitor and manage water quality, eutrophication and toxic algal blooms.

Water Monitoring and Bioremediation Concepts (ES I / II) Prof. Skalbeck (UWP); Prof. Preuss (UWP), Dr. Sander (Ostfalia)

Participants 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.

Data Visualization and Forecast App for Biomonitoring (Course CS I / II) Prof Ramasamy (UWP), Prof Altahad (UWP)

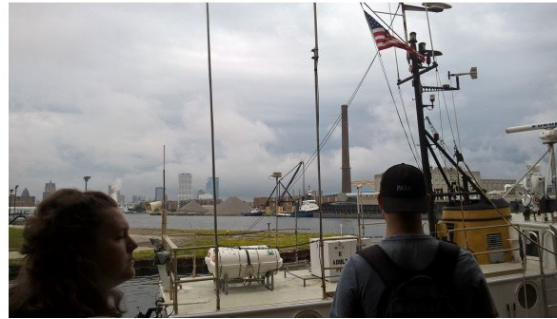
Participants will work on data visualization concepts on historical and probe data. In lectures the context will be prepared, and in lab sessions with hands-on project work, participants will develop an understanding for data visualization of the incoming data sets and forecast via App as a service to environmental institutions for a continuous monitoring of different lake regions.

This ISU is the first to be held after a break due to COVID pandemic conditions.

Ostfalia Students can apply at their university for Ostfalia financial aid to participate in the ISU in Kenosha.

The course is open to Students of the joint Digital Technology course of Studies TU Clausthal/Ostfalia in the same way.

EXCURSIONS AND FIELD TRIPS



Visit the main cities of the region, Milwaukee and Chicago, get to know the Institute of Freshwater Sciences to the great lake area and explore Kenosha and Racine as cities located on the shore of Lake Michigan.

Milwaukee and region: UW Research Facilities

Chicago: Tour Univ. of Chicago

Kenosha: Meet the mayor and visit harbor area

Racine: Get to know beach and river restoration projects



CULTURE AND LANGUAGE

Visit Wisconsin, USA, get an insight into USA history and culture and hone your intercultural competence skills.

The urban region Milwaukee - Chicago is just waiting for you to be explored. In Chicago, nicknamed "The Windy City", you will come in touch with the lively and historically interesting main city of the Midwest.

Wisconsin History and Culture (Course GL) (Prof. PhD. S. Christoph, University of Wisconsin-Parkside)

