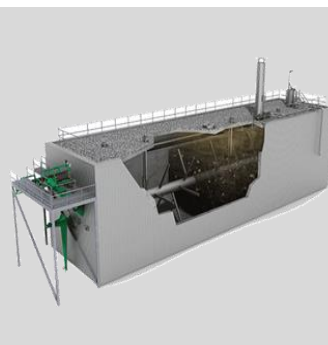


# Winter School on Anaerobic Digestion Technologies as a Solution for Wastewater and Solid Waste Challenges in Developing Countries and Emerging Economies

February 19 – March 02, 2019 / Braunschweig, Germany



## Overview

In the framework of the Exceed-Swinton project, the **Technische Universität** Braunschweig hosts a winter school which will take place from 19 Feb. 2019 to 02 Mar. 2019 in Braunschweig, Germany.

This international and interdisciplinary winter school is funded by the German Academic Exchange Services (DAAD) and organised by both the Institute of Sanitary and Environmental Engineering and Leichtweiß-Institut (LWI), Department of Waste and Resource Management.

The topic of the winter school is “Anaerobic Digestion Technologies as a Solution for Wastewater and Solid Waste Challenges in Developing Countries and Emerging Economies”, focusing on special aspects of Climate Change Mitigation, Energy Supply, and Water Protection.

## Objectives

The winter school will address the anaerobic digestion technology in wastewater and solid waste treatment and present the state-of-the-art technologies. During the keynote sessions, speakers will shed the light on the specific impacts of anaerobic technology on climate change mitigation, water protection and energy supply. Special focus will be placed on the challenges of wastewater and solid waste in developing countries and emerging economies, providing solution approaches.

Participants are required to present their research projects. Afterwards, the opportunity is given to deepen different topics while identifying special problems and working on possible solutions in small working groups. The results of the working groups will be presented and published in the workshop proceedings.

## Topics

The main topics will be:

- Basics of anaerobic digestion process
- Proper waste fractions from municipal, industrial and agricultural residues and from wastewater treatment,
- Appropriate technologies,
- Co-digestion,
- Biogas utilization options,
- Digestate treatment,
- GHG-Mitigation potential of anaerobic digestion and environmental impacts,
- Adapting solutions for rural and urban areas.

The main topics of the summer school will be introduced by keynote speakers.

Student applicants are asked to submit extended summaries (see template in the announcement) of their presentations dealing with the abovementioned topics. The contents of the presentations and extended summaries should follow the following objectives:

- Explanation of the context to the topics of the Summer School
- Problem description
- Social, ecological, economical and environmental effects
- Suggestions for suitable solutions

## Summer school Organization

The summer school is organized by the Institute of Sanitary and Environmental Engineering (Prof. Norbert Dichtl) and the Department of Waste and Resource Management, Leichtweiß-Institut (Prof. Klaus Fricke).

The summer school is held within the framework of Exceed project, which is funded by the German Academic Exchange Services (DAAD). It will take place in Braunschweig, Germany.

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## SCHEDULE

Day	Date	Activity
Tuesday	19.02.2019	ARRIVAL
Wednesday	20.02.2019	ReWater - Conference Participation
Thursday	21.02.2019	ReWater - Conference Participation
Friday	22.02.2019	ReWater - Conference Participation
Saturday	23.02.2019	Free time
Sunday	24.02.2019	Free time
Monday	25.02.2019	Keynote Oral presentation of participants
Tuesday	26.02.2019	Keynote Oral presentation of participants
Wednesday	27.02.2019	Keynote Oral presentation of participants
Thursday	28.02.2019	Field trip to anaerobic treatment plants
Friday	01.03.2019	Working Groups / Presentation of the Working Groups / Summary / Output
Saturday	02.03.2019	DEPARTURE

The Winter School starts with participation in the ReWater Conference. The conference takes place in Braunschweig from 20 Feb. 2019 till 22 Feb. 2019.

### Target Audience:

The participants expected are **preferably advanced master students, PhD-students, post-docs** who are working on anaerobic digestion applications in the field of wastewater treatment or solid waste management are welcome to apply.

### Number of participants:

The number of participants is **limited to 20 participants**. Candidates from the SWINDON/exceed partner universities are to be given first priority. Practitioners, decision-makers and trainers intending to transfer the acquired knowledge and skills directly into engineering of integrated systems will also be given priority.

Applicants are asked to submit extended summaries (**upload and apply the template file mentioned in the announcement: <http://tubs.exceed-swinton.org/announcements/>**) of their presentations dealing with the topic of the summer school. **Deviation from the template will not be accepted.**

### Application:

Please apply online until **06.12.2018** under:

<http://tubs.exceed-swinton.org/apply-for-summer-school/>

**Notification of accepted application participants is made till 17.12.2018.**

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**Organising Institution:**

Technische Universität Braunschweig  
Institute of Sanitary and Environmental Engineering  
Pockelsstr. 2a  
D-38108 Braunschweig

Institute of Waste and Resource Management  
Beethovenstr. 51a  
D-38106 Braunschweig, Germany

**Venue:**

Leichtweiß-Institut  
Beethovenstr. 51a  
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