



University of Stuttgart
Germany



M.Sc. WASTE

Welcome GENERATION 2024!

M.Sc. WASTE
14.09.2024

Lu Chen, M.A.



Program



University of Stuttgart
Germany

Part 1 10:00 - 12:00

1. Presentation
2. Ice breaker Game

12:30 to the Universität S-Bahn Station

Part 2 14:00 – 16:00

1. Stäffeles-Tour!

Meeting point: In front of the Opernhaus
(Opera House)



M.Sc. Air Quality Control,
Solid Waste and Waste Water
Process Engineering

WASTE





1. The University of Stuttgart
2. M.Sc. WASTE Office and Committee
3. M.Sc. WASTE: An Overview
4. Planning my studies
5. Financing my studies
6. Extracurricular activities

- Campuses
- Faculties
- Research Institutes



The University of Stuttgart

Campuses



University of Stuttgart
Germany

Campus Vaihingen
Engineering Programs



The University of Stuttgart

Campuses



University of Stuttgart
Germany

Campus Mitte

Humanities and Architecture



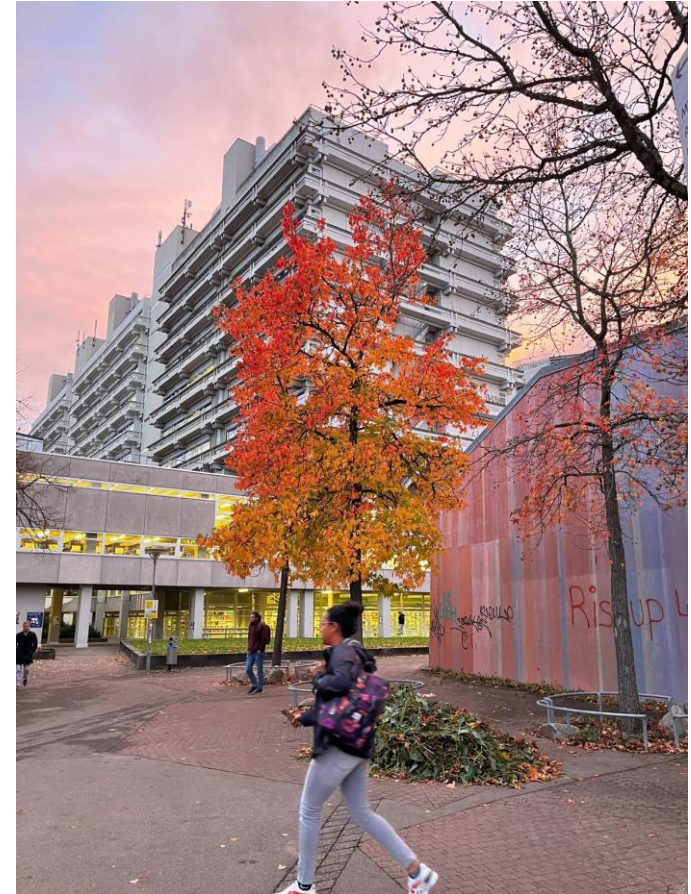
The University of Stuttgart

Faculties

1. Faculty of Architecture and Urban Planning
2. **Faculty of Civil- and Environmental Engineering**
3. Faculty of Chemistry
4. **Faculty of Energy-, Process- and Bio-Engineering**
5. Faculty of Computer Science, Electrical Engineering and Information Technology
6. Faculty of Aerospace Engineering and Geodesy
7. **Faculty of Engineering Design, Production Engineering and Automotive Engineering**
8. Faculty of Mathematics and Physics
9. Faculty of Humanities
10. Faculty of Management, Economics and Social Sciences



University of Stuttgart
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The University of Stuttgart

Research Institutes



University of Stuttgart
Germany

1. Faculty of Architecture and Urban Planning
2. **Faculty of Civil- and Environmental Engineering**
3. Faculty of Chemistry
4. **Faculty of Energy-, Process- and Bio-Engineering**
5. Faculty of Computer Science, Electrical Engineering and Information Technology
6. Faculty of Aerospace Engineering and Geodesy
7. **Faculty of Engineering Design, Production Engineering and Automotive Engineering**
8. Faculty of Mathematics and Physics
9. Faculty of Humanities
10. Faculty of Management, Economics and Social Sciences

Institute of Sanitary Engineering, Water Quality and Solid Waste Management (ISWA)

Institute of Chemical Process Engineering (ICVT)
Institute of Energy Economics and the Rational Use of Energy (IER)
Institute of Combustion and Power Plant Technology (IFK)
Institute of Building Energetics, Thermotechnology and Energy Storage (IGTE)
Institute of Interfacial Process Engineering and Plasma Technology (IGVP)
Institute of Mechanical Process Engineering (IMVT)
Institute of Thermodynamics and Thermal Process Engineering (ITT)
Institute for Reactive Flows (IRST)

Institute of Automotive Engineering (IFS)



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M.Sc. WASTE Office

M.Sc. WASTE Office Team



University of Stuttgart
Germany

Dean of Studies



Prof. Dr. Andreas Kronenburg

Course Director



Dr. Janina Ulmer

Course Manager



Lu Chen, M.A.



M.Sc. WASTE Office

M.Sc. WASTE Office Team



University of Stuttgart
Germany

Student Assistants / HiWi



Kazi Akib Bin
Asad



Anaan
Mohamed



Satheeskanth
Navaratnam



M.Sc. WASTE Office

M.Sc. WASTE Office Team



University of Stuttgart
Germany



M.Sc. WASTE Office (Room 0.02)

Announcements via E-mail

Organization of events

E-mail: info@waste.uni-stuttgart.de

M.Sc. WASTE Course Director (Room 0.03)

Dr. Janina Ulmer

Office hours: **Upon appointment**

Phone: +49 (0) 711 685 68947

E-mail: cd-waste@ifk.uni-stuttgart.de

M.Sc. WASTE Course Management (Room 0.04)

Lu Chen, M.A.

Office hours: **Upon appointment**

Phone: +49 (0) 711 685 68936

E-mail: cd-waste@ifk.uni-stuttgart.de



Admissions Committee (Zulassungsausschuss)

Chairman: Prof. Ph.D. Carsten Mehring

Examination Committee (Prüfungsausschuss)

Chairman: Prof. Ph.D. Carsten Mehring



Study Committee (Studienkommission)

Chairman: Prof. Dr.-Ing. Andreas Kronenburg

M.Sc. WASTE Partner

International Office (IO) / International Zentrum (IZ)



University of Stuttgart
Germany

They provide you:

- ✓ Assistance with legal and social procedures
- ✓ Accommodation
- ✓ Scholarships

<https://www.uni-stuttgart.de/en/university/international/service>



Ms. Svenja Wübker

International Master Students + DAAD Scholars

Consultation hours:

Monday and Wednesday 2 pm – 4 pm

Tuesday and Thursday 10 am – 12 noon

(and upon appointment)

wuebker@ia.uni-stuttgart.de



Learning Counseling in the Student Counseling Center

Tips and advice for successful learning

- Learning skills newsletter in the winter semester
- Counseling for individual students and learning groups
- Workshops on:
 - *Efficient learning methods and exam preparation*
 - *Learning regularly, avoiding procrastination*



Contact for appointment & newsletter subscription:

lernberatung@uni-stuttgart.de



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M.Sc. WASTE: An Overview

Introduction



University of Stuttgart
Germany



Background:

- Chemical
- Civil
- Environmental
- Process
- Mechanical

Theoretical background to engineer creative solutions for environmental challenges

State-of-the-art environmental and process technologies

Individual profile in the environmental sector

Practical experience excursions to companies and industrial and/or municipal facilities

M.Sc. WASTE: An Overview

Introduction: Our Alumni



University of Stuttgart
Germany



M.Sc. WASTE

German large companies



BOSCH

Technik fürs Leben



Procter&Gamble



DAIMLER

SIEMENS

Building Technologies



ALSTOM

M.Sc. WASTE: An Overview

Introduction: Our Alumni



University of Stuttgart
Germany



German small and medium-sized companies



Wasser- und Abwassertechnik



EISENMANN

LEADING IN PRODUCTION EFFICIENCY



Die Experten für abwasserfreie Produktion



Universities and research Institutes



Universität Stuttgart



Fraunhofer



HELMHOLTZ
ZENTRUM FÜR
UMWELTFORSCHUNG
UFZ

M.Sc. WASTE: An Overview

Introduction: Our Alumni



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M.Sc. WASTE

Companies in their home countries



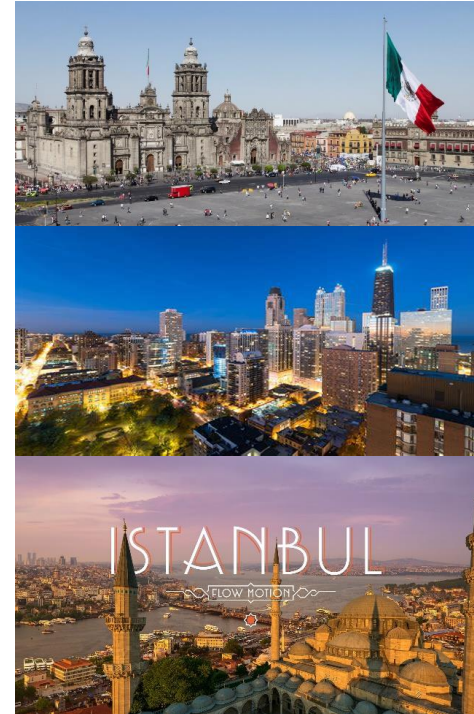
LEADING IN PRODUCTION EFFICIENCY



energy people



INFRASTRUCTURE LEASING & FINANCIAL SERVICES LIMITED

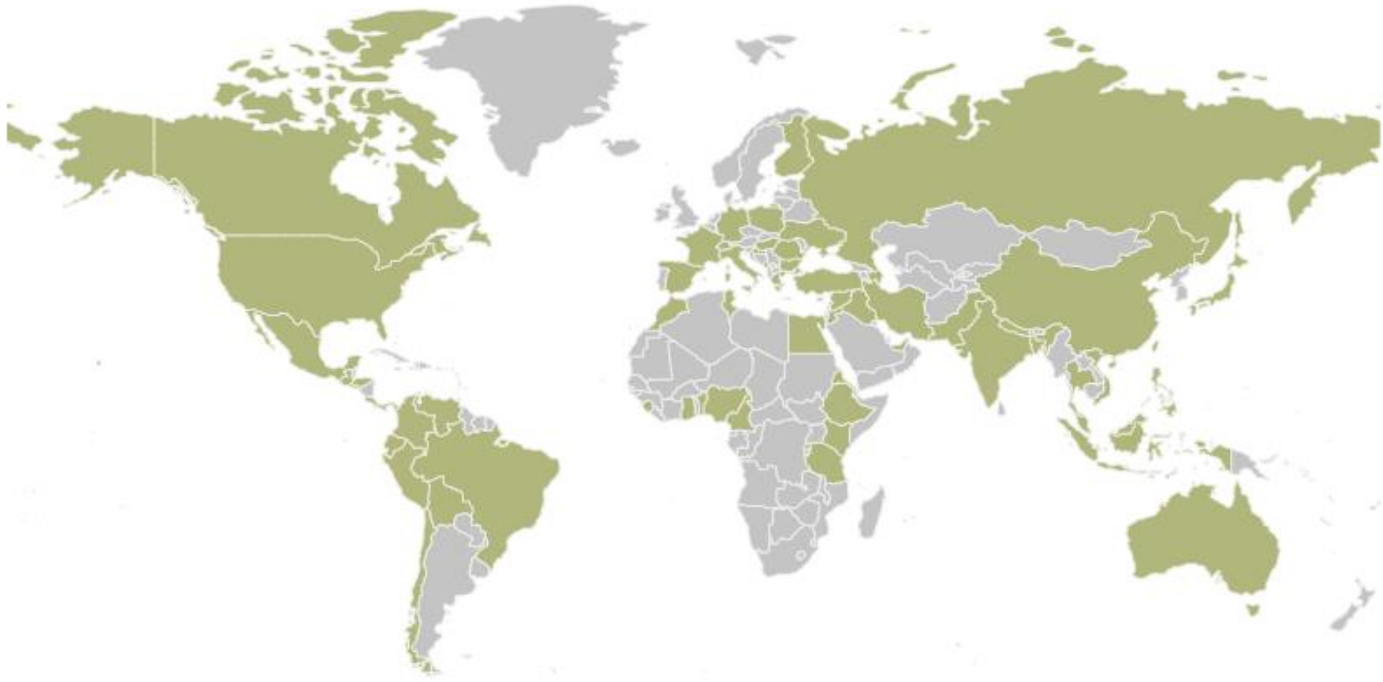


M.Sc. WASTE: An Overview

Introduction: Our Alumni Network



University of Stuttgart
Germany



M.Sc. WASTE: An Overview

Introduction: History and Highlights



University of Stuttgart
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INTERDISCIPLINARY

INDIVIDUAL

INTERCULTURAL

- Established in 2002 as a 3-semester program
- Changed to 4 semesters in 2008
- Start in September – incl. German course
- Start in October – excl. German course
- Bologna Process: M.Sc. WASTE is based on a modular system (Standard for Mobility)
- **Degree: Master of Science**

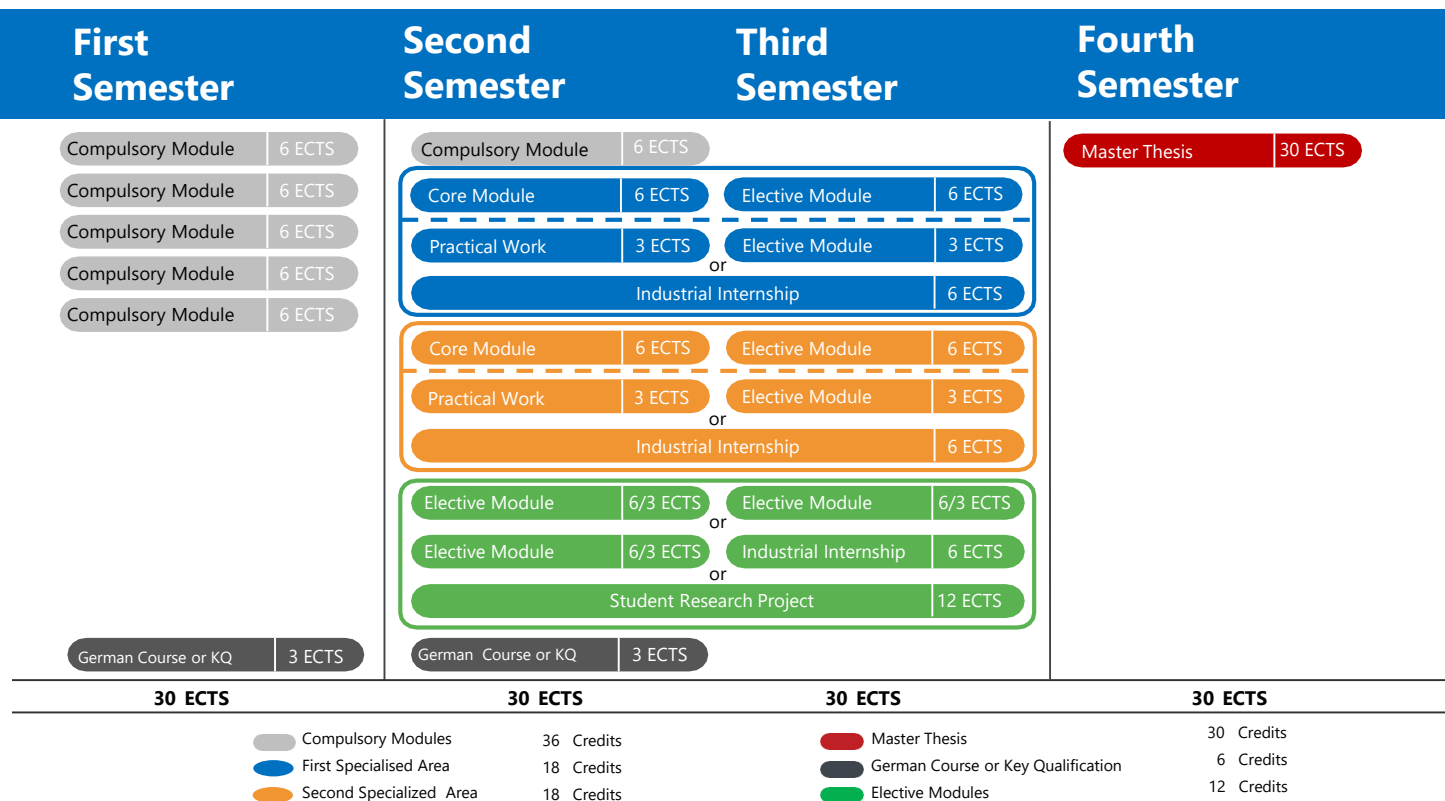


M.Sc. WASTE: An Overview

Macrostructure



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Total Credits

120 ECTS

M.Sc. WASTE: An Overview

Macrostructure



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Germany



M.Sc. WASTE

Advanced modules (36 credits)

- Consolidation via six compulsory modules

2 Specialized Areas (each 18 credits)

- Air Quality Control
- Solid Waste
- Waste Water

Elective Modules (12 credits)

- Modules in English and German
- Student Research Project
- Industrial Internship

German Course and/or Key Qualifications (6 credits)

Master Thesis (30 credits)





Compulsory Modules of the 1st and 2nd semesters

- Thermo- and Fluid Dynamics
- Pollutant Formation and Air Quality Control
- Chemistry and Biology for Environmental Engineers
- Sanitary Engineering
- Process Engineering (offered in 2nd semester)
- Technology Assessment and Presentation Techniques



M.Sc. WASTE: An Overview

Specialized Areas



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Air Quality Control (18 Credits)

Mandatory Core Module (6 Credits)

- Firing Systems and Flue Gas Cleaning
- Measurement of Air Pollutants

Elective Modules (9 credits)

Practical Work (3 Credits)

- Practical Class Air Quality Control



M.Sc. WASTE: An Overview

Specialized Areas



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Solid Waste (18 Credits)

Mandatory Core Module (6 Credits)

- Mechanical, Biological and Thermal Waste Treatment

Elective Modules (9 credits)

Practical Work (3 Credits)

- Sanitary Engineering Part II: Solid



M.Sc. WASTE: An Overview

Specialized Areas



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Waste Water (18 Credits)

Mandatory Core Module (6 Credits)

- Urban Drainage and Design of Wastewater Treatment Plants

Elective Modules (9 credits)

Practical Work (3 Credits)

- Sanitary Engineering Part I: Water





M.Sc. WASTE: An Overview

Basic Guideline



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Germany



- Each semester around 30 credits (+/- 10%)
- Total: 120 Credits in 4 semesters

Further questions? Please refer to our FAQs:
[FAQs - before studying](#)



M.Sc. WASTE: An Overview

German Language Courses outside IO



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Language Center, University of Stuttgart

http://www.sz.uni-stuttgart.de/deutsch/daf_info.en.html

Language Schools

VHS Stuttgart

<http://www.vhs-stuttgart.de/>

Institut für Auslandsbeziehungen (ifa)

<https://www.ifa.de/en/>

Deutschkolleg

<https://deutschkurs-stuttgart.de/de/deutschkurse/>

Henke Schulungen

<http://www.henke-schulungen.de/de/uebersicht.html>



Be back in 15 minutes!



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LINKEDIN



Follow us on
INSTAGRAM



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Program website
C@MPUS Platform



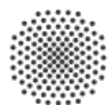
Planning my studies

Program Website: <https://www.waste.uni-stuttgart.de>



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University of Stuttgart >



University of Stuttgart
Master Program WASTE

[DE](#) / [EN](#)



Welcome to the M.Sc. WASTE

Air Quality Control, Solid Waste and Waste Water Process Engineering

We offer an extensive and unique range of graduate courses educating students to respond to the increasing environmental challenges in the fields of Air Quality Control, Solid Waste, and Waste Water Process Engineering.

[Photo: Jeremiah Backman Photography]



Friday October 18, 2024

Second Welcome Event

Prof. Kronenburg will give you detailed information about the examination regulations

- Please be careful with tips and tricks from senior students, because they might not apply for your generation!
- We strongly advise you to ask the **Course Director/Course Manager** in case of any doubt

Planning my studies

Examinations



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Germany



Examination Office - University of Stuttgart

Haus der Studierenden

Pfaffenwaldring 5C, 3rd floor

Campus Vaihingen

<https://www.student.uni-stuttgart.de/en/exams/student-service-examination-office/>

Office hours:

Wednesday	01:30 pm – 03.30 pm
Thursday	09:00 am – 12:00 pm

Online consultation hours:

Monday	01:30 pm – 02.30 pm
Thursday	10:00 am – 11:00 am

Planning my studies

Lecture and Exam Registration through C@MPUS Platform



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University of Stuttgart
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C@MPUS

DE EN

Log in

Q

Welcome to C@MPUS, the Campus Management Portal of the University of Stuttgart

which provides continuous IT Support to the administrative processes involved in academic affairs and teaching.

Students and Employees

log in using your University of Stuttgart user account (ex. ac123456, st987654).

Applicants

that do not already study or work at the University of Stuttgart will first need to [register](#).
Former students who wish to reapply but no longer have an active user account should [re-register](#) and then follow the instructions provided in the confirmation email.

Without registering

you can access detailed information about the courses offered at the University of Stuttgart.

Further information

can be found in the [documentation](#).

Log in

User name

Password

Log in

Continue without login

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Planning my studies

Lecture and Exam Registration through C@MPUS Platform



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Germany

STEP 1: Lecture Registration (C@MPUS)

- Access to lecture material
- Calendar
- Guarantee your spot (Practical works - Lab)

Lectures Start: 14.10.2024

STEP 2: Exam Registration (C@MPUS)

- MUST DO!
- Allow you to take an exam
- Allocate it in the right place of your curriculum

Registration Period: 18.11 – 06.12.2024**



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**DAAD Scholarships
STIBET – Uni. Stuttgart
Working as a HiWi**



Financing my studies



University of Stuttgart
Germany

- Temporary financial support from International Office: DAAD STIBET I etc.
- Working as a student assistant or part time job outside the university

For more Information about financing your studies, please visit:

<https://www.uni-stuttgart.de/en/study/living-in-stuttgart/finances/international/>



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**Rooms at the IFK
WIMs & Summer Party
Graduation Ceremony**



Extracurricular activities

Rooms at the IFK



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Germany



Computer Pool at IFK (Room 0.78)

- Please do not eat and drink in the computer pool.
- Please always close the window in case you are the last one to leave.

M.Sc. WASTE Student Room (Room 0.51)

- Keep it neat and clean!



IFK Kitchen

- Keep it neat and clean!



OUR HOUSE-ELVES
ARE CURRENTLY
ON STRIKE.

YOU WILL HAVE TO
CLEAN UP YOUR
OWN MESS UNTIL
FURTHER NOTICE.

Extracurricular activities

WASTE Intercultural Meetings and Summer Party



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Germany



Extracurricular activities

Graduation Ceremony



University of Stuttgart
Germany



Save the Date!
**November 23,
2024**



Extracurricular activities

WASTE Club Stuttgart e.V.



University of Stuttgart
Germany

[WASTE Club Stuttgart e.V. – M.Sc. WASTE Professional Network \(wasteclubstuttgart.com\)](https://wasteclubstuttgart.com)



The **WASTE Club Stuttgart e.V.** is a professional network that supports the activities of the international Master's program M.Sc. Air Quality Control, Solid Waste and Waste Water Process Engineering (M.Sc. WASTE) at Universität Stuttgart.

- Support the M.Sc. WASTE program during events and excursions
- Consolidate a professional network with the alumni, students, lecturers, and staff of the M.Sc. WASTE program
- Foster communication and public relations among members
- Promote science, research and innovation through activities

Join us!

Extracurricular activities

Task force

We need your commitment as:

- Class Speakers
- Task force members
- WIM coordinators
- Newsletter coordinators



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Germany

SAVE
THE
DATE

Friday, October 18, 2024



Mohamed Kotaish



Lizeth Marian
Lopez Hormaza

Class Speakers

Generation 2023





Friday, October 18, 02:00 pm

- Class Speakers Election
- Task force members
- Newsletter coordinators
- WIM coordinators
- Photo session for program website and poster
- Further important academic information from the study dean Prof. Andreas Kronenburg

We are looking forward to seeing you there!

Ice breaker



University of Stuttgart
Germany

Name

Nationality

Academic background

Hobbies

Fun fact





Image by Stuttgart-Marketing GmbH



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Germany

Thank you!



M.Sc. WASTE Office

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Universität Stuttgart

Institut für Feuerungs- und Kraftwerkstechnik

Pfaffenwaldring 23