Are you a mechanical engineering student and are you finishing your bachelor/Grundstudium soon? or have you just started your master?

The Department of Mechanical Engineering of the KAIST Institute of Technology and the Fakultät für Verkehrs- und Maschinenysteme of the Technische Universität Berlin are offering a Dual Master Degree in Sustainable Manufacturing starting in November 2009. Students get a full scholarship from DAAD covering travel and living expenses.

For further information and application requirements send an email to: Bilge@mf.tu-berlin.de

APPLY NOW AND TAKE FLIGHT TO KOREA THIS SPRING!!
**Programme Overview**

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<th>Degree</th>
<th>Dual Master Degree in Mechanical Engineering</th>
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<td>Universities</td>
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<td>Major</td>
<td>Sustainable Manufacturing</td>
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<td>Duration</td>
<td>4 Semesters (2 semesters are to be taken at the host university)</td>
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**Language**

English or host university language (Korean, German)

**Admission requirements**

KAIST students:
- who have successfully finished a Bachelor degree in Mechanical Engineering
- who are well-versed in the German language, demonstrated by TestDaF level 4 or in English by TOEFL test (560 pbt, 83 ibt)

TU Berlin Students:
- who have successfully finished a Bachelor degree or Grundstudium in Mechanical Engineering
- who are well-versed in the Korean language, demonstrated by a Test in Korean language 4 or in English by TOEFL test (560 pbt, 83 ibt)

**Fees**

Students must pay their normal tuition and registrations fees at their home universities

**Financial Support**

DAAD (German Academic Exchange Service) supports with travel expenses and part of living costs

How to apply?

please send all documentation to Bilge@mf.tu-berlin.de

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**KAIST**

Korea Advanced Institute of Science and Technology

- **Program Manager**
  - Prof. Dr. Dong-Yol YANG
- **Department**
  - Mechanical Engineering
- **Post**
  - Science Town
  - Daejeon 305-701
  - Republic of Korea
- **E-mail**
  - dyyang@kaist.ac.kr
- **Website**
  - http://canesm1.kaist.ac.kr

**Technische Universität Berlin**

- **Program Manager**
  - Prof. Dr.-Ing. Günther Seliger
- **Faculty**
  - Fakultät für Verkehrs- und Maschinenysteme (Fakultät V)
- **Department**
  - Department of Machine Tools and Factory Management
- **Post**
  - IWF der TU Berlin, PTZ 2
  - Pascalstraße 8-9
  - 10587 Berlin
  - Germany
- **E-mail**
  - Bilge@mf.tu-berlin.de
- **Website**
  - www.iwf.tu-berlin.de

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**DAAD**

Deutscher Akademischer Austausch Dienst

German Academic Exchange Service
The Programme

The Department of Mechanical Engineering of the Korea Advanced Institute of Science and Technology (KAIST) and the Institute for Machine Tools and Factory Management (IWF) of the TU Berlin offer the Dual Master's Degree Program in Sustainable Manufacturing.

Mastering competencies for the future

Sustainability is becoming a growing concern in the industry and engineers are facing new challenges in production fields which demand competencies in sustainability issues.

The dual degree in Sustainable Manufacturing promotes soft skills in intercultural communication and cooperation as well as technical competences in manufacturing processes and tools, modeling and simulation, quality control and economic evaluation, while integrating sustainability aspects.

Programme Structure

Students design individual qualification profiles to match their professional career planning.

Qualification profiles result from combinations of course modules out of the following module groups: Production, Engineering, and Information Technology coupled with Sustainability Aspects. Project work on sustainability is integrated into the international course GET (Global Engineering Teams) of the TU Berlin. Further elements are a technical module, an internship and a master thesis.

KAIST

KAIST is located in the metropolitan city of Daejeon, known as the Silicon Valley of Korea. Daejeon is home of various private and public research institutes, centers and Science parks (i.e. R&D centers of Samsung, LG, Korea Aerospace Research Institute, etc) creating a unique environment for innovation and development of high-end technologies. KAIST is considered the top technical university in Korea and belongs also to the top 10 top universities in Asia and to the top 100 worldwide. It was placed 21st worldwide in the ranking of best universities in the field of technology and IT.

KAIST is a industrialized country with a democratic republic that enjoys a high standard of living. It has a export-driven economy, being the fourth largest economy in the region. Its neighboring countries are China and Japan.

South Korea has a temperate climate with a predominantly mountainous terrain.

Department of Mechanical Engineering

Since its foundation in 1971, the Department of Mechanical Engineering has been playing a pivotal role in promoting educational and research in Korea. The research activities are rooted in six fields namely Nano/Micro Systems Technology, IT-based Intelligent Mechanical Systems, Thermofluid and Energy Systems, Biomedical System Engineering, Mechanics & Design Innovation and Pro Human Engineering.

Department Assembly Technology and Factory Management

The Department Assembly Technology and Factory Management orientates its research and development according to industrial and technological tasks. In doing so, it is pre-eminent to exploit potentials for economization resulting from the manifold interactions between products, operating material and organization of facilities and their peripherals, as well as the consistent implementation of innovative technology and organization forms. The main focus lies on computer-aided assembly planning and control, prototypic realization and experimental testing of assembly processes and systems, application of sensors for assembly processes as well as allocation of work and facility management.

Technische Universität Berlin

The internationally renowned Technische Universität Berlin is located in Germany’s capital city in the heart of Europe.

The university focuses on achieving sharply-defined core goals: building a distinctive profile, ensuring exceptional performance in research and education and providing our graduates with excellent qualifications. In addition, we strive towards a future oriented approach to efficient university governance.

The TU Berlin aims to promote the accumulation of knowledge and to facilitate technological progress by adhering to the fundamental principles of excellence and quality.