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HOCHSCHULE DARMSTADT  
UNIVERSITY OF APPLIED SCIENCES

INTERNATIONAL OFFICE

## International Summer University 2013

**Energy-Efficient and Sustainable  
Building and Construction**

**July 21 – August 17, 2013**



Foto Britta Hüning

Dear partner, dear student,

I am very pleased to announce the first International Summer University of Hochschule Darmstadt, University of Applied Sciences.

For the first time we will offer an intensive program, which combines academic seminars and German-as-a-foreign-language courses with cultural learning and lots of activities outside the classroom.

ISU Darmstadt 2013 is dedicated to one of the major environmental topics nowadays: energy efficiency and sustainability. Professors from the department of Civil Engineering will give you a scientific background and you will gain hands-on experience during field trips to different companies. As Germany is one of the forerunners in "Green Buildings", you will learn about technologies and solutions which are unique in the world.

I am convinced, that ISU will not only help your academic career and international networks, but could also be the beginning of a lifelong friendship with Germany and the state of Hessen. Here in the heart of Germany you will find true hospitality, a rich cultural heritage and a magnificently beautiful landscape.

We will be very honored to welcome you as our guests at Hochschule Darmstadt. I am looking forward to meeting you this summer!

Kind regards,

Prof. Dr. Ralph Stengler

President of Hochschule Darmstadt, University of Applied Sciences

### ISU Darmstadt in a nutshell

- learn about state-of-the-art technology
- discover Germany and the German summer
- have fun with lots of activities
- find new friends from all over the world
- get credit points

**Come to Darmstadt and spend the summer of your life!**

### ISU-Team

#### Academic Directors

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#### ISU Coordinator and contact for applicants and participants:

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ISU-web page: <http://international.h-da.de/studierende/international-summer-university.de>

### Program of ISU Darmstadt

ISU Darmstadt 2013 is dedicated to one of the major environmental topics nowadays: How to reduce the overall impact of the built environment on human health and the natural environment. As buildings contribute 40 % to the energy use of Germany, finding solutions for energy saving has to be the first aim. German law is the strictest around the world and engineers and architects must find innovative ways to meet the energy saving goals put forward by the authorities. Moreover, the concept of "sustainability" stands for an integrated approach for the construction of buildings. Not only the way a building is planned and constructed, but also the whole life cycle of a building comes into focus. The materials used also have to be examined.

ISU Darmstadt 2013 offers an introduction to "Energy-Efficient and Sustainable Building and Construction". Through a variety of learning activities such as lectures, tutorials, small group projects, laboratory work and a longer field trip, you will not only gain a theoretical background of these concepts, you will actually visit some of the most innovative and modern buildings in Germany and get into contact with leading experts in this field. Darmstadt is hometown to the "Institut Wohnen und Umwelt GmbH" (IWU), the institute for housing and environment which has, for over 40 years, been one of the leading research institutes in the field. We will also visit a number of companies such as "Schlagman Poroton", producing innovative materials for buildings, as well as a number of construction sites and the hydropower plant "Walchensee".

6 ECTS credits will be awarded for the seminar module.

### German Language Courses

A German class is an essential part of the Summer University. Get started in the most widely spoken language of the European Union or work on your existing language knowledge. Up to 3 levels will be offered (beginner and intermediate, A1 and A2/B1 CEFR).

3 ECTS-credits will be awarded for the language courses.

### Cultural Program

ISU Darmstadt 2013 has lots of fun activities to offer, e.g. climbing park, German movie nights, pub crawl, guided city tour. On the weekends we will show you the best of Darmstadt and surroundings, e.g. guided tour Frankfurt, trip to upper middle Rhine Valley (UNESCO world culture heritage) and bike tour "Grube Messel"/Messel Pit Fossil site (UNESCO world natural heritage).

A combined academic and culture-trip will bring you for 5 days to Munich and the best parts of southern Germany.

More detailed information you can find on our web page:

<http://international.h-da.de/studierende/international-summer-university.de>

### Good to know

#### Who can apply?

We welcome students from all over the world. A background in Civil Engineering, Architecture, Energy Management or related disciplines is expected.

#### How much does ISU cost?

The program fee is 1.990 €. It includes the accommodation for the four-week study program, the seminar with lecture material, company visits and a field trip, a German language course (including lecture material), the cultural and leisure program as well as a ticket for public transportation within Darmstadt, and a health, accident, and liability insurance. For partner universities of Hochschule Darmstadt a fee reduction could be applicable. Please talk to your international office.

#### How can I apply?

We need a completed application form, your latest CV (academic profile), an official academic transcript and a short letter of motivation. Application deadline is June 1. You can find further information concerning the application on our web page.

