

Darmstadt – City of Science and Culture

- Darmstadt – home to the European Space Agency, Telecom and Software AG, located 20 kilometers south of Frankfurt in the vibrant Rhein-Main Metropolitan area
- Darmstadt – safe and tolerant international community of 130,000, with a multitude of international companies, research institutions and universities.
- Darmstadt – urban and attractive city in the heart of Europe, in close vicinity to the beautiful Odenwald forest, the Rhein River and famous wine-growing regions

The University – Technische Universität Darmstadt

Leading research university, founded in 1877
First Department of Electrical Engineering in the world

- 13 departments
- 100 degree programs
- 21,000 students
- Winner of Solar Decathlon in 2007 and 2009
- Most preferred research institution among Humboldt scholars
- 2,454 beds in 13 student residences
- Research Centers of Excellence in IT Security, Urban Studies, Computational Engineering, Designing Fluid Boundaries, Energy and Sustainable Environment



PROGRAM COORDINATION

Michelle Cunningham-Wandel | Senior Manager
Department for International and External Affairs
Technische Universität Darmstadt
E-Mail: cunningham@pww.tu-darmstadt.de
www.tu-darmstadt.de/international/irep.en.jsp

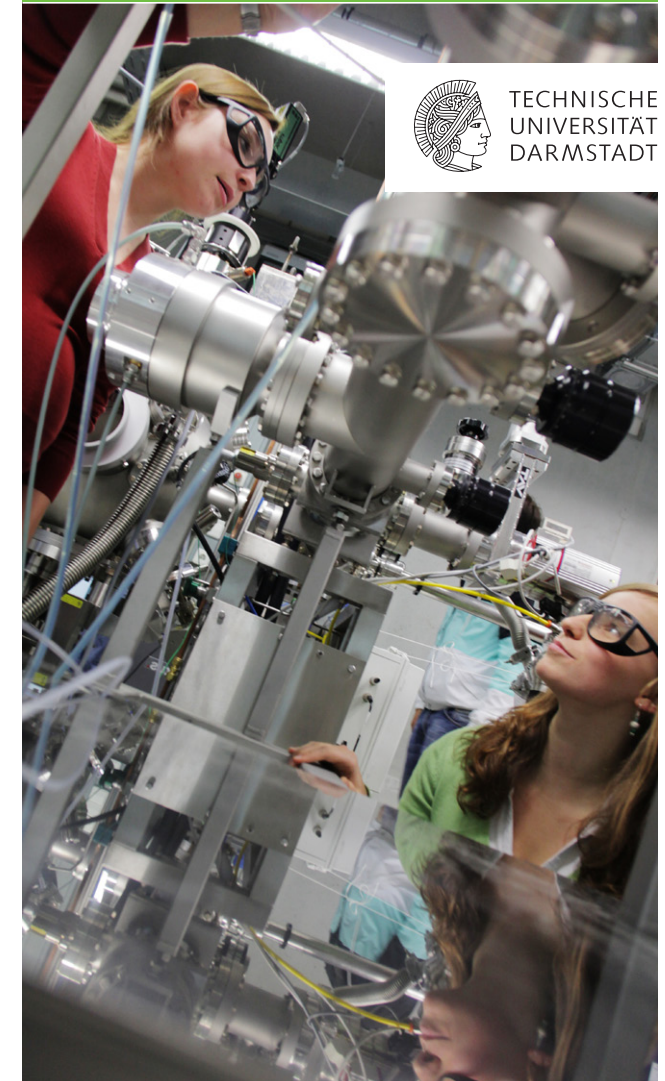
KRENN VISUELL

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IREP Summer Research in Germany!

Summer 2013

International Research Experience Program (IREP)



Summer
2013

The International Research Experience Program (IREP)

IREP SUMMER is open to you if you are an undergraduate or graduate student at one of TU Darmstadt's partner institutions in the US, Canada, Australia and New Zealand.

www.tu-darmstadt.de/international/partneruniversities/index.en.jsp

IREP SUMMER offers an exciting opportunity to *actively participate in cutting-edge research projects* in one of the research institutes at Technische Universität Darmstadt and enjoy a stimulating *inter-cultural orientation program* at the beginning of the program.

German language skills are not a pre-condition for acceptance to the program – oral and written communication throughout the research project is in English. An intercultural orientation program, guided tours and a trip to Heidelberg will round up this exciting program.

Program Schedule – IREP Summer 2013

→ Intercultural Orientation
June 3 – June 5, 2013

→ Research Project:
June 6 – August 21, 2013

→ **APPLICATION DEADLINE:** March 15th, 2013



"Despite my initial lack of German, I was extremely well supported by the University, and never once felt helpless or alone."

Jennifer Millar,
Curtin University, Australia

Research Internships

Research internships are available in almost every academic unit at Technische Universität Darmstadt. Students can choose a research project from the IREP website or suggest their own project. In the latter case, the International Relations Office at Technische Universität Darmstadt will assist the student in finding a supervisor for their research project.

Samples of open research internships:

- Development of ecological and economical optimised ready mix concretes with reduced cement content
(Civil Engineering)
- Quantum Information Processing with Neutral Atoms
(Physics)
- Reinforcement Learning for Robotics
(Computer Science)
- Nano-particles of borides or molecular hydroborates from organic solvents or liquid ammonia
(Chemistry)

Research opportunities in:

- | | |
|---|---|
| → Engineering | → Human Sciences |
| → Mechanical Engineering | → Psychology |
| → Civil Engineering | → Sport Sciences |
| → Material Sciences | → Education Sciences |
| → Electrical Engineering and Information Technology | → Business Administration, Economics & Law |
| → Information Technology | → Business Administration |
| → Computer Science | → Economics |
| → Natural Sciences | → Social Sciences and Linguistics |
| → Mathematics | → Linguistics |
| → Physics | → Political Science |
| → Chemistry | → Philosophy |
| → Biology | |

Orientation Program Introduction to German Language and Culture

To foster a better understanding of Germany and help students adjust to their new surroundings, the IREP Summer program offers a 3-day orientation program upon arrival, an introductory German language course and organised excursions.

Admission Requirements

- student status at a partner institution in the USA, Canada, Australia, New Zealand throughout the IREP program
- successful completion of 3 years of undergraduate studies at the partner university
- nomination through home institution
- Grade Point Average of minimum 3.1 (US) or 70 – 80 % (CAD) or B+ (New Zealand) or 73 – 79 % (AUS)

TU Darmstadt Scholarship of Excellence

Students accepted to the IREP program can apply for a stipend in the frame of the "TU Darmstadt Scholarship of Excellence".

Academic Credit

Research Project: 12 ECTS *

Program Fees

Students accepted to the IREP Summer Program 2013 are responsible for the program fee of € 350, to be paid upon arrival in Germany.

Program Information and Application Process

www.tu-darmstadt.de/international/irep.en/jsp



Application
deadline:
**March 15th,
2013**

"I had the opportunity to meet a phantastic and diverse group of people from all over the world."

Konrad Witek,
University of Illinois, USA

* 12 ECTS = 6 US Credits