TU Dresden - Shiraz University

The path of our Strategic Partnership

Coordinator at Shiraz University
Prof. M. Reza Malayeri
Head of Department of Petroleum
malayeri@shirazu.ac.ir

Coordinator at TU Dresden
PD Dr. Udo Krause
Research Management
UDO.KRAUSE@TU-DRESDEN.DE
معرفی دانشگاه فنی درسدن
فرصت همکاری با ایران
TU Dresden: University of Excellence
187 Years of History

1828 founded as a technical school
1890 renamed "Royal Saxon Technical College" (TH)
1945 largely destroyed during World War 2
1946 reopening of TH Dresden
1961 status of a University of Technology (TU)
1990 new faculties, comprehensive range of disciplines
2012 University of Excellence
Facts & Figures

- the only technical comprehensive university (Volluniversität) in Germany
- Students (WS 201/16): 35,961
  - international students: 4,827 from 125 nations
  - first-year students: 8,474
- study programmes: 125
- many cooperations with universities worldwide
- employees: approx. 7,770 (2014)
  of whom financed by third-party funds: approx. 3,440
- overall budget in 2014: 528,5 million Euros
  of which third-party funds: 242,4 million Euros
Five Schools – 14 Faculties

School of Civil and Environmental Engineering
- Architecture
- Civil Engineering
- Environmental Sciences
- Transportation and Traffic Science

School of Medicine

School of Science
- Faculty of Science comprising the departments Biology, Chemistry and Food Chemistry, Mathematics, Physics and Psychology

School of Engineering Sciences
- Faculty of Electrical and Computer Engineering
- Faculty of Computer Science
- Faculty of Mechanical Engineering

School of Humanities and Social Sciences
- Education
- Faculty of Law
- Arts, Humanities and Social Sciences
- Linguistics, Literature and Cultural Studies
- Business and Economics

School of Law
Five Research Priority Areas

1. Health Sciences, Biomedicine and Bioengineering
2. Information Technologies and Microelectronics
3. Smart Materials and Structures
4. Culture and Knowledge
5. Energy and Environment
TU Dresden - Shiraz University

The path of our Strategic Partnership

Coordinator at Shiraz University
Prof. M. Reza Malayeri
Head of Department of Petroleum
malayeri@shirazu.ac.ir

Coordinator at TU Dresden
PD Dr. Udo Krause
Research Management
udo.krause@tu-dresden.de
Focus of our Strategic Partnership

- Recognize collective research potential
- Enable scientific exchange through matching researchers of both universities to joint research projects
- Cultivate long-term research cooperations and networks
- Stimulate alliances
The path of our Strategic Partnership

Milestone I
Rector's Visit to Iran, 2016

Milestone II
Establishing of an Office at TU Dresden, April 2017
Welcome at the TU Dresden! Dresden - A City of Culture and Science

Bridging Science

Iran Week at the TU Dresden, 10 – 14 July 2017
Milestone III
Iran Week in Dresden, July 2017

Financially supported by DFG
The Iran –week at TU Dresden 2017
Milestone III
Dresden Week in Shiraz, April 2018

Financially supported by DAAD

- Rector of TU Dresden
- Lord Mayor of Dresden
- Saxony Economy Development Organisation
Dresden Week in Shiraz, April 2018

Office for strategic partnership at Shiraz University opened
Strategy:

✓ High standard scientific projects
✓ Sustainable cooperation by establishing a base of innovation
  o Transfer of scientific results, technologies, knowledge
  o Transfer of local requirements/needs from Industry and Society to Science
Fact Finding Mission 05/2016, Project Scouts

1st Delegation 09/2016 of TUD, Prof. of the field of „Energy“, Visit of 5 Universities

Iran week 07/2017

2nd Delegation 09/2017, field Wood technology, Plant Chemistry

04/2018 Rector’s and lord mayor’s delegation, Dresden week @SU, focus: Botany, Watermanagement, Digital Humanities
Strategic Partnership SU TUD
Researchmanagement TUD / Projectsouc, Dr. Udo Krause
„Dresden Week“@ University Shiraz / 14. -18.04.2018

05/2018 Follow Up, Watermanagement, Eram Garden project and industry cooperation

10/2018 Project on Oil spill and Sand dust – workshop in Iran

12/2018 Progress visit on Digital Humanities, Eram Garden, elearning
Accomplishments

2 Joint Grant Applications at the German Research Foundation

5 Joint Grant Applications at the Federal Ministry of Education and Research (CLIENT II & IKARIM)

1 Joint Project submission “Dialogue with the Islamic world”

Bilateral Exchange of students and graduates

3 Sabaticals of SU Prof.es @ TUD
Joint master program in Biodiversity

Projektbeschreibung (Kurzversion)

Bitte beschreiben Sie kurz Ihr Projektvorhaben und gehen dabei auf die geplanten Programmziele ein. Fügen Sie diese Projektbeschreibung Ihrem Antrag auf Projektförderung bei. (Anlagen – Dokumente hinzufügen – Anlagenart „Projektbeschreibung“)

<table>
<thead>
<tr>
<th>Förderprogramm</th>
<th>Hochschuldialog mit der islamischen Welt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antragstellende Institution</td>
<td>TU Dresden, Institut für Botanik, Botanischer Garten</td>
</tr>
<tr>
<td>Projektbezeichnung</td>
<td>Eram Botanical Garden: open science - open source - open dialogue</td>
</tr>
</tbody>
</table>

Eram Botanical Garden (EBG) in Shiraz, Iran, is one of nine historical gardens that jointly were recognized as UNESCO world heritage site representing the traditional Persian Garden in 2011.
Support of strategic partnership by TU Dresden

- All activities are channeled and fostered by the respective person for SU-TUD partnership (one entry point at each university)

- Special budget for exchange of scientists from TU Dresden
  - From SU to TUD:
    - Accommodation costs (100 €/day)
    - Subsistence
    - Material costs (1000 € max.)
  - From TUD to SU
    - Travel expenses + daily lump sum
Support of TUD- SU strategic partnership II

Sabbatical leave & longterm stay

Our Welcome Center staff will be glad to assist incoming visiting researchers and PhD students staying for more than three months.

The Welcome Center informs and assists you in planning your visit to Dresden, both in advance and during your stay. These services are included:

- Formalities
- Accommodation
- Service for your Family
- German language Courses
- Social Activities
Support of TUD-SU strategic partnership III

Guest Researcher Programmes

- **DRESDEN Fellowship Programme**
- **Research stays of up to six months at TU Dresden for young researchers** (DRESDEN Junior Fellowships) and **established researchers** (DRESDEN Senior Fellowships)
Challenges

- Visa for long term (Sabatical), 6 months, high uncertainty, difficult to organize accommodation
- Family visa very challenging
- Additional administrative load for hosting Prof. es: Federal Intelligence Service protocols
- Dual use
- Current economic situation: money/payment in Iran
Welcome at the TU Dresden!
Dresden - A City of Culture and Science

به دانشگاه صنعتی درسدن خوش آمدید
درسدن- شهر فرهنگ و دانش