Deutscher Akademischer Austauschdienst
German Academic Exchange Service

Information on German Host Institution

COMBINED STUDY AND PRACTICE STAYS FOR ENGINEERS FROM DEVELOPING COUNTRIES (KOSPIE) – TUNISIA

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1. Name of Institution:

TECHNISCHE UNIVERSITÄT CHEMNITZ

Visit our website: https://www.tu-chemnitz.de/

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2. General Information on Institution:

2.1 Faculties and the number of full-time professors:

Technische Universität Chemnitz (TUC) is one of the largest technical universities in Germany with more than 10,500 students, including around 2,000 international students and more than 120,000 alumni students.

TUC includes 8 faculties which are: Natural Science, Mathematics, Mechanical Engineering, Electrical Engineering and Information Technology, Computer Science, Economics and Business Administration, Humanities, and Behavioural and Social Sciences. In total, TUC counts 166 full-time professors and offers a wide range of 100-degree courses.

2.2 Research institutions, research facilities, and fields of research:

The Chair of Measurement and Sensor Technology (MST) belongs to the Faculty of Electrical Engineering and Information Technology (ETIT). MST is known for its worldwide cooperation in industry

and research since 2007 on applied research related to advanced and up-to-date fields including, but not limited to the following:

- Smart Sensors and Sensor Technology
- Wireless Sensor Networks and IoT
- Embedded Sensor Solutions
- Sensor Signal Processing
- Machine and Deep Learning
- Energy Harvesting, Storage and Transfer
- Sensor Applications: E-health, Environment, Robotics and Industry 4.0

For further information, please visit the MST webpage:

https://www.tu-chemnitz.de/etit/messtech/index.php

2.3 Institution has been accredited by:

TU Chemnitz ranks among Germany's ten most popular universities on StudyCheck.de. A "StudyCheck Award 2022" with the certificate "Top University 2022" goes to the TU Chemnitz thanks to the very positive evaluation from its students and alumni.

2.4 Does your institution follow the Code of Conduct for exchange programs?

TUC has joined the Code of Conduct for German university projects abroad, which was drawn up by a group of international experts at the invitation of the DAAD and HRK.

https://www.tu-chemnitz.de/international/incoming/weiteres/publikation_nationaler_kodex.pdf

2.5 Welcome programs for exchange students:

TUC has an international office that offers all the needed information for incoming students that can be reached through the following link:

https://www.tu-chemnitz.de/international/incoming/chemnitz/index.php.en

The TUC international office also offers the “Student Buddy Program”, which is organized by student assistants who are supported by student volunteers (“Buddies”). This accompanying program for new international students in Chemnitz could be found on the same previous link, in social media platforms, and could be contacted via email using this address patenprogramm@tu-chemnitz.de. A volunteer is assigned to accompany new students for administrative procedures as a newcomer in Chemnitz and to integrate into the existing clubs.

Three representatives from MST will be in charge of providing accompanying and continuous support measures. One of them will accompany students in all steps, from booking an appointment at the German Embassy in Tunisia to reaching their rooms in Chemnitz. All the materials needed to have a VISA will be provided on time. The second representative will support fellows looking for suitable accommodation via the “Studentenwerk Chemnitz-Zwickau” and contact the student dorm administration to have the keys before they come. The third representative will help students make the registration in the “Auslanderbehörde of Chemnitz”, open a Bank account, and register as students at TUC. During this process, students will learn how to open a user account in the Universitätsrechenzentrum (URZ) to get eduroam access as well as access to the learning platform for Saxon universities “Online-Plattform für Akademisches Lehren und Lernen (OPAL)”.

2.6 Location of institution:

Technische Universität Chemnitz
Fakultät für Elektrotechnik und Informationstechnik
Professur Mess- und Sensortechnik
Reichenhainer Straße 70,
09126 Chemnitz, Germany

2.7 Special attractions for young people:

There are student clubs as well as table tennis and sports rooms in almost all the student dorms in Chemnitz and various clubs and activities can be found using this link: https://www.tuchemnitz.de/stud/. The cultural life at the university in Chemnitz is strongly influenced by the student's cultural traditions with yearly festivals and gatherings.

Chemnitz offers a rich and multi-faceted museum landscape. Take the Chemnitz Art Collections, for instance, named German Museum of the Year 2010, or the Gunzenhauser Museum, which houses one of the most impressive collections of classical modernism, the Saxon Museum of Industry and Chemnitz Natural History Museum, etc. Chemnitz Theatre is a multidisciplinary theatre company and stages performances in five genres: Opera, ballet, philharmonic orchestra, theatre, and puppet theatre. Chemnitz counts 6 cinema houses including the Campuskino Mittendrin, which provides special prices for students and English programs.

2.8 Costs of living (dorms, costs at university cafeteria, etc.):

The dorm cost is from 220 euros to 300 Euros per month for one room with a large possibility of room size and style. All information about the student dorms can be found under this link: https://www.swcz.de/. Dorms are between 5 to 15 minutes walking distance from the TUC building. The university restaurant named “Mensa” provides, daily from Monday to Friday, a rich menu for breakfast, lunch, and dinner with at least one vegetarian option. It provides a special quotation for registered bachelor students that depends on the chosen menu, which costs in general from 2 Euro to 5 Euro. Many hot drinks, cold drinks, and snack machines are available in almost all buildings of TUC with prices from 45 cents to 3 Euros.

Student card fees for one semester in TUC cost ~295 euros. This card guarantees free transportation in the whole Sachsen using Deutsch Bahn regional trains and regional buses and all transportation in Chemnitz.

3. Combined study and practice stays for engineers from developing countries (KOSPIE) – Tunisia:

3.1 Faculties participating in the exchange program and degree courses offered (course language?):

German courses are offered on all different levels by the university’s Language Center

3.2 Transcripts of records can be issued in the following languages:

German or English

3.3 Students of the following degree courses may join the exchange program:

- Electrical Engineering
- Computer Science Engineering
- Mechanical Engineering
- Material Engineering
- Electrochemical Engineering
- Telecommunication
- Industrial Engineering

3.4 Tuition waivers:

German and English courses are free for visiting students in TUC with a list of courses that includes all languages levels from where the student can choose the language and level that he wants to study and pass the exam for level certification from TUC without any additional fees. Visiting students should have a registration in TUC to be allowed to have a room in the dormitory, to get access to free WIFI in both the university and dormitory, and to get access to multiple free licenses for software that can be seen under this link:

https://www.tuchemnitz.de/urz/software/poolsoftware.php

Registration as a bachelor student in TUC is possible for visiting students from an engineering program in Tunisia.

3.5 Near-by companies with which co-operations are withheld:

Companies in Tunisia:

- LEONI: A global supplier of wires, cables, and wiring systems as well as a provider of related development services.
- Primatec: Provides engineering services, consulting, and support for ECU testing in the automotive industry.
- Sfax Industry 4.0 Center: Implementation of Industry 4.0 solutions

Companies and Centers in Germany:

- Saxeed TU Chemnitz: Potential to generate commercially successful start-ups with knowledge and technologies from scientific research.
- Intenta GmbH, Chemnitz: Development and porting of algorithms, Process-compliant software development, Image processing and analysis, Model-based estimation procedures, Multi-sensor data fusion, Object recognition, and tracking.
- Cluster of Excellence MERGE: Manufacturing processes and basic technologies from the fields of plastics, metals, textiles, and smart systems to develop resource-efficient products and production processes.

3.6 Established partnerships with the following Tunisian higher education institutions and faculties:

- National Engineering School of Sfax (ENIS)
- Digital Research Center of Sfax (CRNS)
- National School of Electronics and Telecoms of Sfax (ENET'Com)
- National Engineering School of Sousse (ENISo)
- Higher Institute of Applied Science and Technology of Sousse (ISSAT)

3.7 Interest in exchange with the following Tunisian higher education institutions (please specify faculties)

- National Engineering School of Sfax (ENIS)
- National Engineering School of Tunis (ENIT)
- National Engineering School of Sousse (ENISo)
- National Institute of Applied Science and Technology (INSAT)
- National School of Electronics and Telecoms of Sfax (ENET'Com)
- National Engineering School of Carthage (EniCarthage)
- National Engineering School of Gabes (ENIG)
- National Engineering School of Monastir (ENIM)
- Higher National Engineering School of Tunis (ENSIT)
- Tunisia Polytechnic School (EPT)
- Higher School of Communication of Tunis (Sup'Com)
- Higher Institute of Applied Science and Technology of Sousse (ISSAT)

3.8 What language skills are required?

English

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4. Responsible contact person:

4.1 Contact person at university-level and/or at faculty level

Prof. Olfa Kanoun
Fakultät für Elektro- und Informationstechnik
Professur für Mess- und Sensortechnik
Reichenhainer Straße 70, Weinholdbau: W207
Tel: +49-371-531-36931
E-mail: kanoun@ieee.org

4.2 Contact person student coordinator/advisor

Dr. Thomas Keutel
Fakultät für Elektro- und Informationstechnik
Professur für Mess- und Sensortechnik
Reichenhainer Straße 70, Weinholdbau: W210
Tel: +49 371 531-36523
Email: thomas.keutel@etit.tu-chemnitz.de

Mr. Achraf Djemal
Fakultät für Elektro- und Informationstechnik
Professur für Mess- und Sensortechnik
Reichenhainer Straße 70, Weinholdbau: W215
Tel: +49 371 531-38165
Email: achraf.djemal@etit.tu-chemnitz.de