

Berlin, March 19, 2018

## Academic Exchange Program with University of Tehran and Tarbiat Modares University in Iran

Chair of Process Dynamics and Operation, Department of Ceramic Materials and Institute for Technical Chemistry at Technische Universität Berlin are coordinating an academic exchange program with two Iranian Universities namely University of Tehran (<http://ut.ac.ir/en/page/327/school-of-chemical-engineering>) and Tarbiat Modares University (<http://www.modares.ac.ir/en>) funded and supported by ERASMUS and DAAD.

In the context of this activity, PhD students and academic staffs will attend the host institutes in Iran and reciprocally TU Berlin will host some students and academic staff from those universities in 2018. The program and the involved institutes and persons mainly focus on the research areas of catalyst, reactor and process engineering.

### 1- Aim

The aim of this exchange program is to facilitate the know-how and knowledge exchange between the involved institutes in the area of catalyst synthesis, testing, characterization and reactor and process engineering to establish an efficient coherent working group to jointly tackle the selected research topics in these areas and add-on the potentials of the institutes for this aim.

### 2- Approach

Spending a 3-6 months research stay of the students in the host institute, after already starting their study in their home institute based on the available equipment and know-how there, enables them to utilize the potentials of both institutes to further develop their researches. In this context, the early stage visit of the academic staffs to the host institutes paves the way for discussing and

d|b|t|a

planning the future activities and the orientation of research. This will be accompanied by giving a short lecture and or workshop highlighting the research potential of the home institutes at the host university. In most of these activities, more than two institutes will be involved covering the catalyst synthesis, testing and characterization as well as model-based research activities.

### 3- Duration

Duration of the research stay for the academic staffs is between 5-30 days and for the PhD students would be minimum 3 months.

### 4- Selection Criteria

Followings are the selection criteria to be considered in the evaluation and selection procedure of the applicants:

#### Academic Staff

- ✓ The suggested teaching course and the research area should be in line with the research-teaching portfolio of the host institutes.
- ✓ New and novel teaching materials specially related to the current projects and activities of the host institutes are extra welcomed especially in the areas of catalyst, reactor and process optimization.
- ✓ The candidates having prior experiences in international cooperations are preferred.

#### Students

- ✓ The students currently working in the areas of catalysts, reactor and process engineering or have a previous experience in these areas are preferred.
- ✓ The suggested topic should fit the current projects of the host institutes and the compatibility of the planned experimentation and simulation activities with the available experimental setups and the required software in the host institutes are extra factors to be considered.
- ✓ Candidates with English fluency and familiar with the working language in the host institute (German/Persian) are preferred.

For more information, please contact Dr.-Ing. Hamid Reza Godini ([hamid.r.godini@tu-berlin.de](mailto:hamid.r.godini@tu-berlin.de))