



Technische  
Universität  
Berlin

# History and Campus



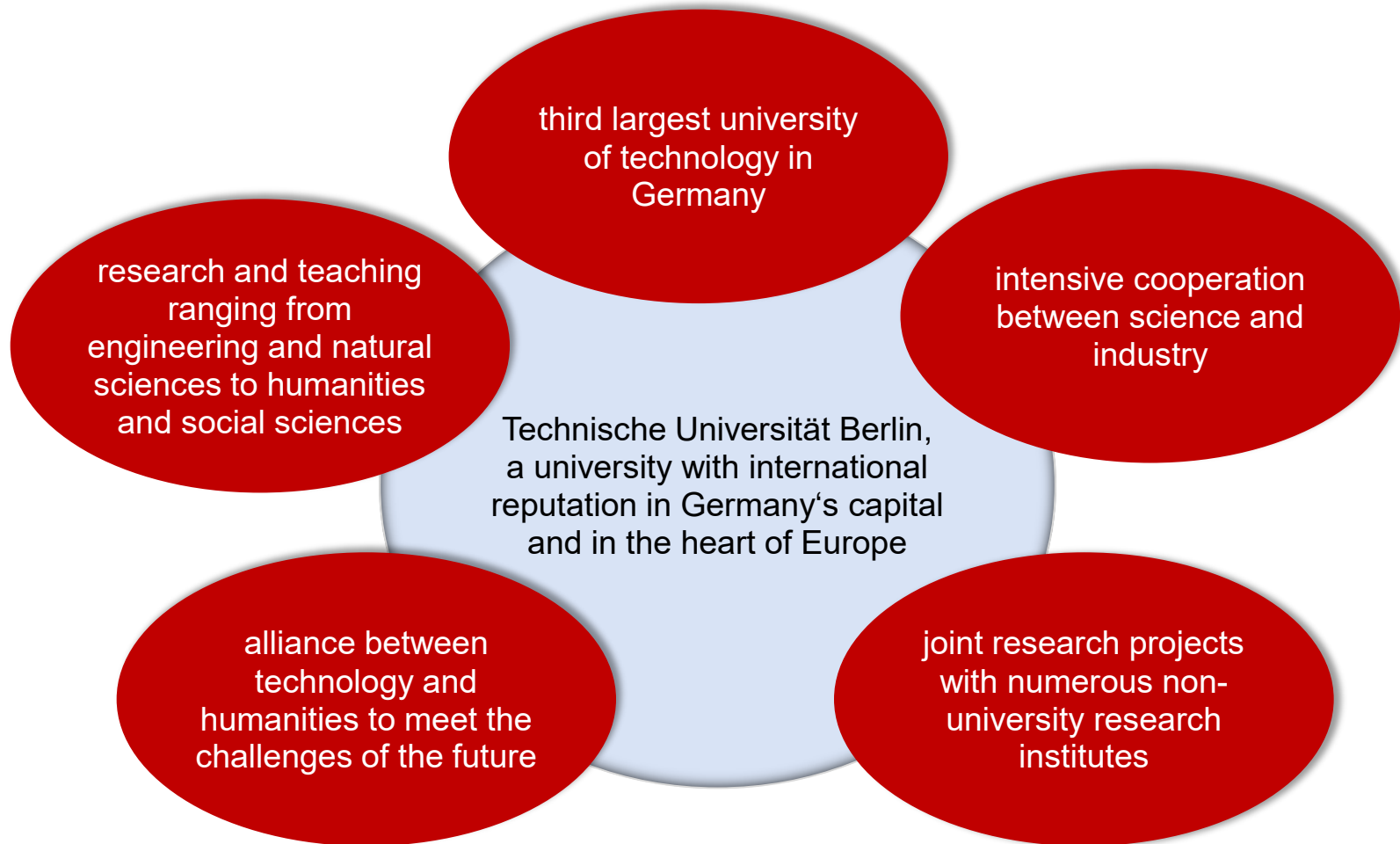
19th century



21st century



# Profile | TU Berlin at a glance





## Key Application Areas:

1. Digital Transformation
2. Energy Systems, Mobility, and Sustainable Resources
3. Human Health, Humanities, and Educational Science
4. Urban Systems and Environmental Systems
5. Photonics and Optical Systems
6. Materials, Design and Manufacturing



# Profile | Faculties



Faculty I  
**Humanities**

7 institutes / centers

Faculty II  
**Mathematics and Natural Sciences**

6 institutes

Faculty III  
**Process Sciences**

6 institutes

Faculty IV  
**Electrical Engineering and Computer Science**

6 institutes

Faculty V  
**Mechanics Engineering and Computer Sciences**

7 institutes

Faculty VI  
**Planning - Building - Environment**

8 institutes

Faculty VII  
**Economics and Management**

3 institutes

## Central Institutes

Central Institute  
**El Gouna**

Central Institute  
**School of Education**



**SETUB**  
School of Education  
TU Berlin

# Profile | Strategic Partnerships R&D



non-university research institutions, i.a.:



# Profile | Collaborative Research



## TU Berlin coordinates three Einstein Centers

- Einstein Centers bundle and harness interdisciplinary scientific expertise in particularly innovative research fields
- The programme offers top research alliances in Berlin the opportunity to establish cross-institutional research and teaching networks

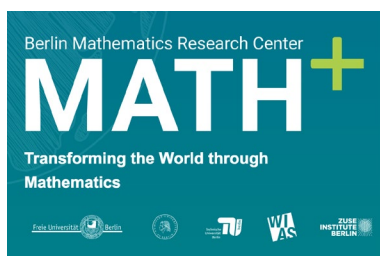
ECMath - Einstein Center for Mathematics Berlin:  
The common platform for excellent mathematics in Berlin





German Excellence Strategy 2019

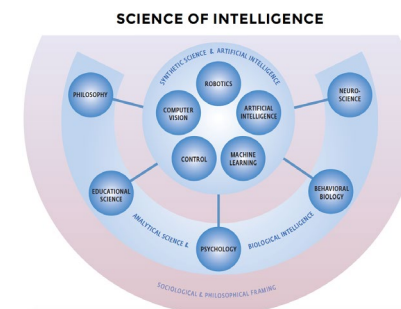
3 Clusters of Excellence for TU Berlin out of 7 Clusters for Berlin in total



A cross-institutional and transdisciplinary Cluster in order to explore and further develop new approaches in application-oriented mathematics

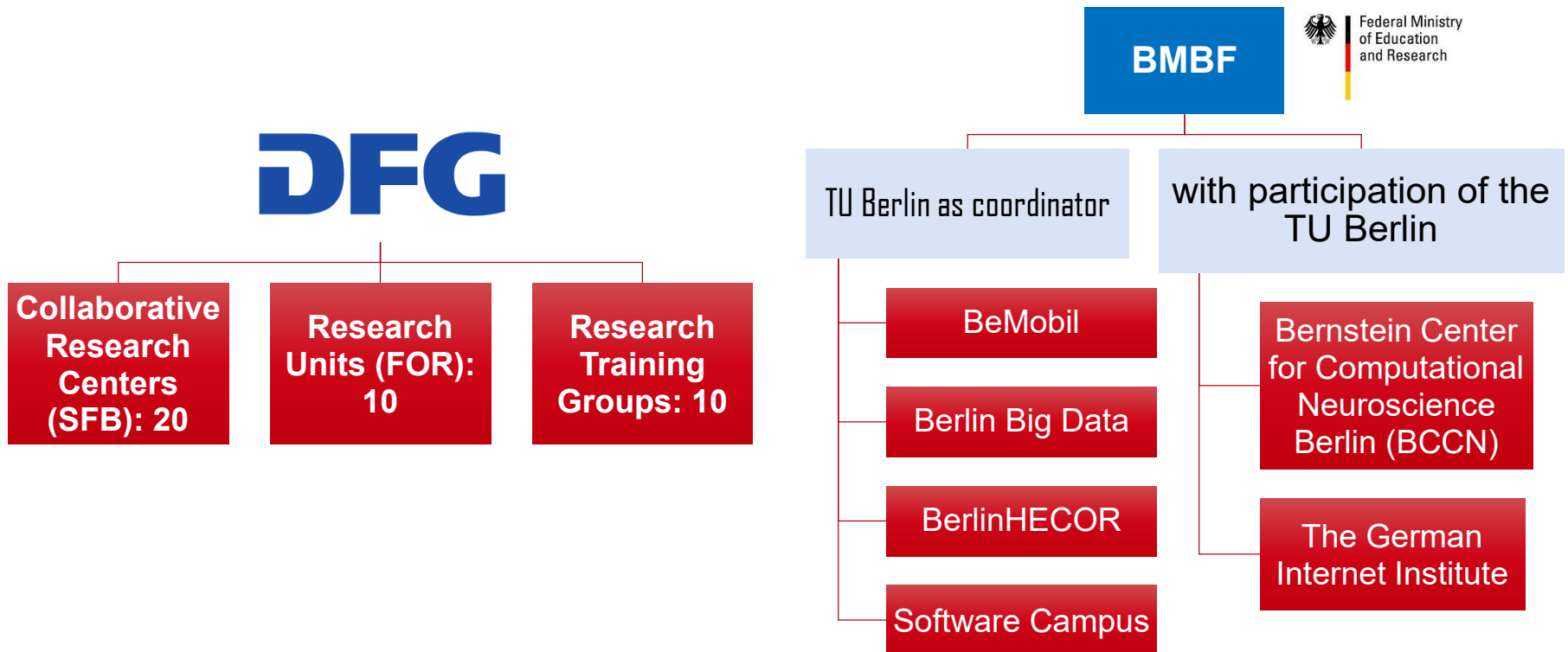


A Cluster with five interdisciplinary research areas on the elucidation and evolution of catalytic networks. The aim is to understand how reactants, intermediates, and reaction products come into customized contact with the various catalysts involved



A Cluster focusing on the better understanding of intelligence in all its facets. The aim is to fundamentally advance our ability to construct intelligent technological artifacts for applications of societal importance.





and others (e. g. EU Research and Innovation Projects such as Horizon 2020 and FP7)



## German Excellence Strategy 2019

On 19 July 2019, the four partner universities of the Berlin University Alliance (BUA) were jointly awarded the title of University of Excellence.



# Profile | Start-ups and Spin-offs



- Currently 20 PhD projects
- 35 Tech startups per year
- 150+ Tech startups since 2007
- More than 80% of startups are still in business
- TU Berlin No. 2 in Germany





## How to find and contact a Supervisor

- know your field of research
- search and identify relevant faculties and institutes or post doctoral
- identify relevant research fields and potential supervisors on the webpages of the institutes
- read scientific papers of potential supervisors and tailor your application
- prepare a letter of motivation, CV and a short research proposal of 1-3 pages and send it to one potential supervisor
- Postdoc: publication list, project list and experience in writing grant application, supervising students and teaching





## Temporary position as principal investigator

### Aims

This instrument seeks to advance **outstanding junior researchers** in the next stages of their career and provides support by ensuring financing for preparation of an application to the DFG for funding for a temporary position as principal investigator or for comparable programs.

### Eligible Applicants:

- junior researchers (Master's degree or similar)
- junior post-doctoral candidates, max. 3 years after completion of their PhD

### Scope of financial support

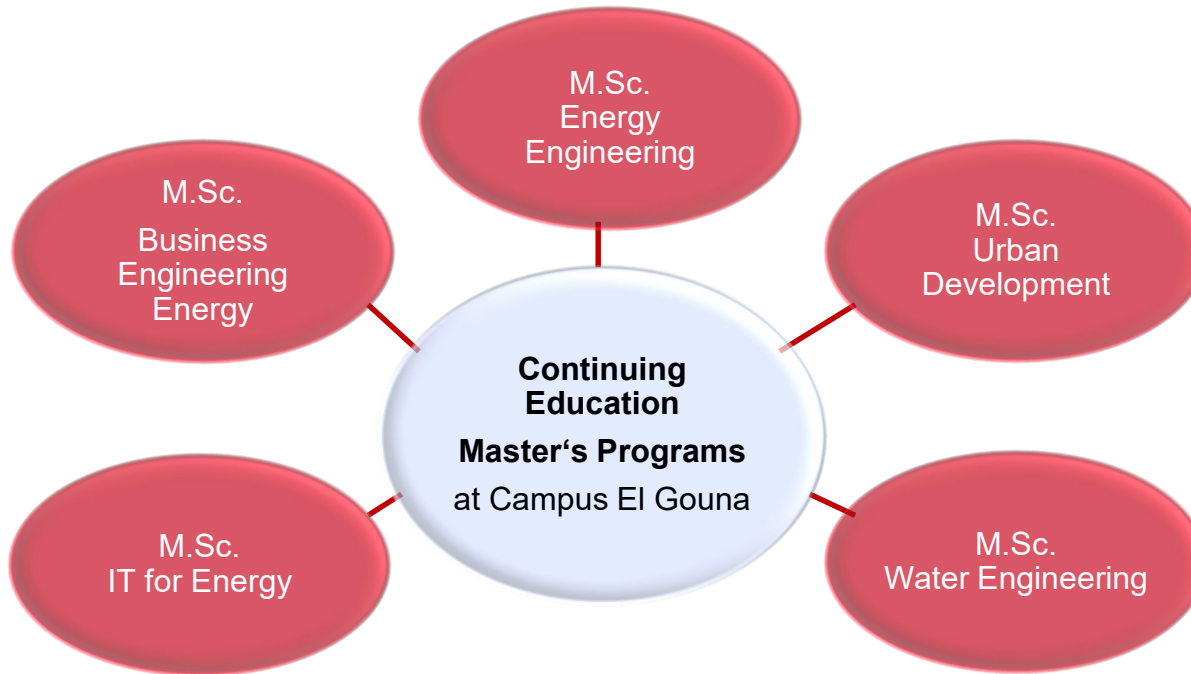
Funding for personnel TV-L E13 for a maximum of **6 months (FTE)** for financing the applicant plus a maximum of EUR 5000 for material resources.

TU Berlin Website Quick access-link: **191251**



## Main focus of the degree programs and research:

Growth of population and climate change require new strategies to tap new living spaces, water and energy.



# Contact



## **International Affairs International Scientific Cooperation**

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