



## PhD Program between the Freie Universität Berlin (FUB) and the China Scholarship Council (CSC)

### Open PhD position at FUB for CSC scholarship candidates 2018

**Please note: the PhD position is only offered to Chinese PhD candidates for application in the framework of the FUB-CSC PhD Program.**

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| <b><u>Department/Institute:</u></b>         | School of Business and Economics, Chair for Innovation Management  |
| <b><u>Subject area:</u></b>                 | Innovation Economics, Innovation policy  |
| <b><u>Name of Supervisor:</u></b>           | Prof. Dr. Carsten Dreher   |
| <b><u>Number of open PhD positions:</u></b> | Each topic 1   |
| <b><u>Type of the PhD Study:</u></b>        | Full-time or Sandwich-Model  |
| <b><u>Project title:</u></b>                | (1) Targeted Innovation policy for different SME innovation patterns<br>(2) Technological Innovation Systems Analysis on renewable and traditional energy technologies |

#### PhD Project description:

##### **(1) Targeted Innovation policy for different SME innovation patterns**

*SME have different innovation patterns regarding their resource and competence composition, hence innovation policy measures have to take account these different patterns otherwise instruments will not address every subgroup or miss the needs for a successful and efficient state intervention. The analysis should comprise quantitative and qualitative research in China comparing the results with existing studies in Germany.*

##### **(2) Technological Innovation Systems Analysis on renewable and traditional energy technologies**

*Transformation processes can be analysed as competition between different new and old Technological Innovation Systems (TIS). Using the approach of Hekkert et al 2007 to analyse functionalities of TIS in the area of energy generation may help to understand the role of dynamics in the field as well as identifying monitoring and steering needs for state in order to ensure a development towards an ecological and economic efficient energy system.*

#### Language requirements:

IELTS: 6.5 or TOEFL: 95 ibt.

#### Academic requirements:

Master degree in economics or innovation management.  
Master degree in energy technologies.  
Experiences in empirical social science studies helpful (quantitative or qualitative field studies) as well as knowledge about science and innovation policy indicators or/and instruments.

#### Information of the professor or research group leader (website, awards etc.):

Professor Dr. rer. pol. Carsten Dreher  
Freie Universität Berlin  
School of Business and Economics  
Professorship for Innovation Management  
Since 2009, Carsten Dreher is at Freie Universität Berlin. He studied Industrial Engineering and Occupational Training at the Technical University of Karlsruhe. He started his career at the European Commission's Directorate General Research as junior research fellow at the unit Forecasting and Assessment in Science and Technology (FAST). From 1989 to 2006 he worked at the Fraunhofer Institute

for System and Innovation Research (ISI) in Karlsruhe analysing industrial innovation behaviour. After finishing his PhD in 1996 at TU Karlsruhe, being visiting scholar at MIT's Industrial Performance Center, he was appointed 2006 Joint Professor for Innovation Research and Innovation Management at the University of Flensburg and at the Mads Claussen Institute for Product Innovation of the University of Southern Denmark. His research interests are analysing technology dynamics, routines for innovation processes and mechanisms and impact of public innovation policies.

**Please note:** In a first step, the complete application must be submitted to the Beijing Office for evaluation by January 4<sup>th</sup>, 2018. Please do not contact the professor before. He/She will get in contact with you after having received the complete application via the Beijing Office in January.