



Research Fellow in Sustainable Urbanism China

Starting: 01.10.2018 | Reference No. ISU18062

Become an integral part of one of the leading research institutions in Germany

Participate in a joint sino-german research project

PhD candidate, 50% (part time) fixed term for 2 years (TV-L E13)

ABOUT THE OPPORTUNITY

The Institute for Sustainable Urbanism ISU is a think-tank and design laboratory headed by Prof. Dr. Vanessa Miriam Carlow based at TU Braunschweig – one of Germany's leading Technical Universities. ISU research, teaching, and discourse focus strategies and tools for sustainable urban development in the context of worldwide urbanization. Building up inter- and transdisciplinary projects within the TU Braunschweig research line FUTURE CITY, ISU teams up with scientists from environmental and social science, engineering, psychology, political science, and informatics, and cooperates with more than fifty cities, municipalities and NGOs worldwide. In its continuous strive toward progressive research, ISU is building up a state of the art, multidisciplinary research and competence center on urban research rooted in the digital realm.

We are currently seeking a PhD candidate for a two year fixed term (part time 50 %) for the inter- and trans-disciplinary, international joint research project **EAST-CITIES: Establishing and Achieving Sustainability Targets in Eastern Chinese Cities** funded by the German Federal Ministry of Education and Research (BMBF). EAST-CITIES is a close collaboration between the TU Braunschweig and Tongji University Shanghai with regional partners such as the City of Qingdao. Candidates with experience in the following work fields are strongly encouraged to apply:

KEY RESEARCH THEMES

- **Urban-rural urbanization patterns:** Data-driven methods for spatial, morphological and functional typification of settlement types along an urban-rural gradient. Modeling of urban-rural linkages, e.g. material and immaterial flows of data, goods, people etc.
- **Sustainability Scenarios:** Integrated, data driven, scientifically validated, multidisciplinary sustainable development scenarios decoupling human development from negative environmental, social and economic impact.

Application Areas: Urban design, urban and regional planning, sustainable mobility, China

ABOUT YOU

We are looking for exceptional PhD candidates to conduct high impact research with

- a Master Degree (or equivalent) in architecture, urban design, urban planning, geography (or equivalent),
- demonstrated expertise in urban research related to the key research themes and application areas,
- evidence of capacity to work as part of a multidisciplinary team,
- excellent knowledge in the application of domain-specific software and hardware (e.g. GIS),
- a demonstrated potential for performing high quality, independent and collaborative research,
- exceptional interest in cooperation with partners from science and practice in China,
- English (preferably also German and Chinese) excellent written and verbal communication skills.

The position will be for a period of two years, with further employment subject to secured funding availability. In case of adequate performance, the opportunity is given to pursue a PhD degree. The remuneration is determined according to the assignment of tasks and fulfillment of personal requirements up to pay group 13 TV-L.

ABOUT TU BRAUNSCHWEIG

Technische Universität Braunschweig is the academic center of Braunschweig, City of Science, which lies in the heart of one of Europe's most active research regions. TU Braunschweig's faculties comprise a comprehensive engineering branch and a strong natural sciences branch, closely linked with business sciences, social sciences, humanities and educational sciences. TU Braunschweig is part of TU9 – the group of leading technical universities in Germany.

The TU Braunschweig fosters diversity and inclusion. Applications from people of culturally diverse backgrounds are much welcome. Applications can be in German or English. TU Braunschweig strives to diminish under-representation as defined by the NGG in all areas and positions. Therefore, women in particular are encouraged to apply. Where candidates have the same qualifications, preference will be given to candidates with disabilities. Applications not considered can only be returned against an addressed and sufficiently stamped return envelope. Application and travel costs are non-refundable. Personal data will be stored in connection with the recruitment and hiring process.

Interviews with selected candidates will take place at TU Braunschweig on 21st and 22nd August 2018.

Send your comprehensive application incl. CV, publication list and/or portfolio (digital or printed) till 31st July 2018:

Technische Universität Braunschweig

ISU Institute for Sustainable Urbanism / Prof. Dr. Vanessa Miriam Carlow

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Upload: sustainableurbanism.de/opportunities