

# Junior Research Group Leader (d/f/m)

## Sustainable Cities: Urban Flows and Production

Technische Universität Braunschweig is seeking to appoint a

### **Junior Research Group Leader (d/f/m)** **Sustainable Cities: Urban Flows and Production** **(TV-L E14; fulltime)**

Technische Universität Braunschweig (TU Braunschweig) is seeking to appoint a personality with pronounced interdisciplinary competence to lead a Junior Research Group on sustainable cities with a successfully proven scientific background of either architecture/urban planning, production engineering, or similar subjects. The post holder will have strong international networks and will contribute actively through research to strengthening the activities and external visibility of the core research area Future City and of TU Braunschweig.

The Junior Research Group aims at advancing interdisciplinary methods of the development, analysis, evaluation and planning of urban flows in mirror of urban production. In the group, techniques for urban design and planning, mobility, production and sustainability assessment in future cities and agglomerations will be at the focus, based on leading-edge research in the fields of architecture/urban planning, and production engineering.

The post holder has a data driven and model-oriented mindset, a scientific background and interest in urban production, in the field of sustainable urban planning and/or production engineering. The post holder will lead a team of two researchers pursuing the interdisciplinary integration and modeling of the material and immaterial flows in the urban system of energy, materials and information to identify synergies of urban processes. The field of application and objective is the development of methods, regulations, building types and technologies for sustainable urban development and production.

Applicants with a core competence in the field of either architecture/urban planning, production engineering, or similar subjects are invited to apply.

The position (TV-L E14; fulltime) is initially appointed for a 4-year period. The doctorate should not have been completed more than 6 years ago.

#### **The post holder should also fulfill the following criteria:**

- Outstanding scientific qualification and research achievements for the position to be filled
- Ability to obtain and to lead cooperative interdisciplinary research projects and acquire third-party funding
- International research experience incl. international research stays
- Participation in international networks and strong research communication skills
- Willingness to actively participate in faculty and core research area affairs and committees
- Ability to work in and lead a team and social competence
- Commitment to the strategic development of the research group and core research area

With over 20,000 students and 3,700 staff members, Technische Universität Braunschweig is the largest Institute of Technology in Northern Germany. It stands for a strategic and achievement-oriented way of thinking and acting, relevant research, exceptional teaching and the successful transfer of knowledge and technologies to industry and society. We consistently advocate family friendliness and equal opportunities. We focus our research on mobility, infections and therapeutics, metrology, and future city. Our core disciplines include a comprehensive engineering branch and a strong natural sciences branch, closely linked with business sciences, social sciences, educational and humanities sciences. Our campus is located at the heart of one of Europe's most active research regions. We cooperate closely and successfully with more than 20 research institutions right on our doorstep and maintain strong relationships with our partner universities all over the world.

At TU Braunschweig, we aim to increase the share of women in academic positions and therefore particularly welcome applications from women. Where candidates have equivalent qualifications, preference will be given to female candidates. Applications from international scientists are welcome. A part-time appointment may be possible on request. Where candidates have the same

qualifications, preference will be given to disabled candidates. Personal data will be stored in connection with the recruitment and hiring process.

For further information please call +49(0)531-391-3537 (Prof. Dr. Vanessa Miriam Carlow) or +49(0)531-391-7149 (Prof. Dr. Christoph Herrmann) or send an e-mail to [stadtderzukunft@tu-braunschweig.de](mailto:stadtderzukunft@tu-braunschweig.de).

Please submit your application (digital or written) to

**Technische Universität Braunschweig**  
**Core Research Area "Future City"**  
Pockelsstr. 3  
38106 Braunschweig  
Germany

to arrive **by 2020/02/28**. For digital submission upload a single PDF [here](#).

## **Apply via Recruiter**

Please apply via recruiter's website.

### **QUALIFICATION**

PhD

### **JOB TYPE**

Researcher

### **DISCIPLINE**

Engineering

### **HOURS**

Full Time

### **DURATION**

Fixed Term

[https://www.nature.com/naturecareers/job/718435?fbclid=IwAR1AGcSsX2HPMcYuc-R\\_vWIHXbsxQEHkvVhDsNtR9ZGL0Em9M\\_oIscgxYD4](https://www.nature.com/naturecareers/job/718435?fbclid=IwAR1AGcSsX2HPMcYuc-R_vWIHXbsxQEHkvVhDsNtR9ZGL0Em9M_oIscgxYD4)

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