



At HafenCity University Hamburg, the following position will be available as soon as possible in the area of TGA with Digital Infrastructure

Research Associate (m/f/d) – Digital City Science

Pay group 13 TV-L

to support research and teaching with 50% of the regular weekly working hours. The position is limited to 3 years

About us

The HafenCity University Hamburg, University of Architecture and Metropolitan Development (HCU) is a university that focuses on the built environment. The HCU unites all aspects of building and design, engineering, and natural sciences as well as geoscientific and social sciences under one roof.

The HCU Professorship of Digital City Science (DCS) researches digital technologies for urban and metropolitan development and applies them in a national and international context. The international and interdisciplinary team develops data-based approaches for the analysis and planning of complex urban systems. It combines expertise in architecture, urban and spatial planning, computer science, and media technology. With an extensive network of partners, DCS researchers develop pioneering tools used in applied projects and basic research.

The position is assigned to the Professorship of Prof. Dr.-Ing. Jörg Rainer Noennig.

The aim of the qualification is to obtain a doctorate within the period of employment. A project outline for the intended research topics at the HCU (max. three pages) is expected. Motivation and project outline must be submitted with the application.

Here you can find more information about [HCU](#) and the [employer Freie und Hansestadt Hamburg](#).

Your tasks

As an internationally versatile researcher you work on the inter- and transdisciplinary interface between information and communication technologies on the one hand, and urbanism on the other. You carry out investigations on digital instruments that explore urban risk and vulnerability, and support the build-up of resilience in cities and urban communities. Specifically you further the research of resilience-oriented tools, methodologies, and planning measures created by Digital City Science in the recent past, targeting application in a variety of contexts and use cases worldwide. Doing so, you collaborate with stakeholders and partners on international, national and local level, and establish co-creative forms of cooperation and communication with them.

Within the thematic framework of urban resilience research you carry out your PhD research project. You hand-in your exposé to the doctoral committee of HCU within 6 months.

With your experience and expertise you counsel and support other research and innovation projects at the professorship, synergising your knowledge with the other researchers in the team. You inspire with own research ideas and initiate new scientific ventures, scientific publications and follow-up projects. For this, you will identify and respond to relevant funding opportunities alongside (such as EU programmes, the German Research Foundation (DFG), or the Federal Ministry of Education and Research (BMBF)). Strong skills in independent academic writing and proposal development are essential for success in this role. Further you transfer your knowledge within the framework of academic teaching – thus educating the next generation of digital city scientists and planners.

Your profile

mandatory requirements

- an academic university degree (master's degree or comparable) in **urban** planning, urban development, architecture or a comparable field of study directly related to Digital City Science

additional requirements

- substantial knowledge in the development and application of digital planning tools and experience in cooperating with ICT development teams
- good knowledge about tools, models, and methodologies of resilience research, urban vulnerability, and risk management in the international context
- work experience with transdisciplinary, international research teams as well as with non-university partners (administrations, utility providers, NGOs, etc)
- advanced knowledge and scientific excellence in urban resilience; risk and vulnerability models; urban modeling and simulation methods, proven by peer-reviewed publications
- knowledge in current technological developments in the field of urban data science, GIS, information processing and visualisation, urban systems modelling and simulation

Benefits

- workplace at an attractive location in HafenCity
- varied work in a university environment in cooperation with international scientific partners
- a family-friendly university that supports its employees in balancing work and family life
- support for professional and personal development through a wide range of training and continuing education opportunities
- other benefits such as discounts in the student union canteens

Contact

For questions and further information, do not hesitate to contact Prof. Dr.-Ing. Jörg Rainer Noennig, at +49 (0) 40 300 880-5146.

The applicant's classification regarding the level of experience within the advertised TV-L pay group is based on the candidate's individual work experience and is reviewed by the HR department. Legally binding statements can only be made by the HR department of the HCU.

Please send your application (including CV, cover letter, and copies of relevant certificates), no later than **03.01.2025** (preferably by email as one PDF file) to:

HafenCity Universität
Personalverwaltung
Stellen-Nr.: 2024-136
Henning-Voscherau-Platz 1
20457 Hamburg
E-Mail: HCU-bewerbung@vw.hcu-hamburg.de

Please include the reference number „**2024-136**“ in your application.

Please be aware that in case of an invitation to an interview, HCU will not be able to cover any expenses for travel and lodging.

Due to the high number of applicants, the HCU will not be able to return application documents. Therefore, please do not submit originals of certificates. If you add a post-paid envelope, the HCU will return your application documents.